

10/S21, 119  
**EAST Search History**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	850	(544/242,514/255.05).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/07/03 16:25
L2	10	L1 AND N-PHENYL	US-PGPUB; USPAT	OR	ON	2007/07/03 15:30
L3	1	L2 AND DIMETHYLPIPERAZINE	US-PGPUB; USPAT	OR	ON	2007/07/03 15:31
L4	1	("6673799").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/03 15:37
L5	1	("3875229").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/03 15:37
L6	1667	(544/295,514/255.05).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/07/03 16:25
L7	27	I6 and n-phenyl	US-PGPUB; USPAT	OR	ON	2007/07/03 16:25
L8	2	I7 and dimethylpiperazine	US-PGPUB; USPAT	OR	ON	2007/07/03 16:26

~~10/521,119~~

Search after election - no hits

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SESSION RESUMED IN FILE 'HOME' AT 15:01:15 ON 03 JUL 2007

FILE 'HOME' ENTERED AT 15:01:15 ON 03 JUL 2007

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.63	0.63

=> FILE REG

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.63	0.63

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STRUCTURE FILE UPDATES: 2 JUL 2007 HIGHEST RN 940883-34-1  
DICTIONARY FILE UPDATES: 2 JUL 2007 HIGHEST RN 940883-34-1

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REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

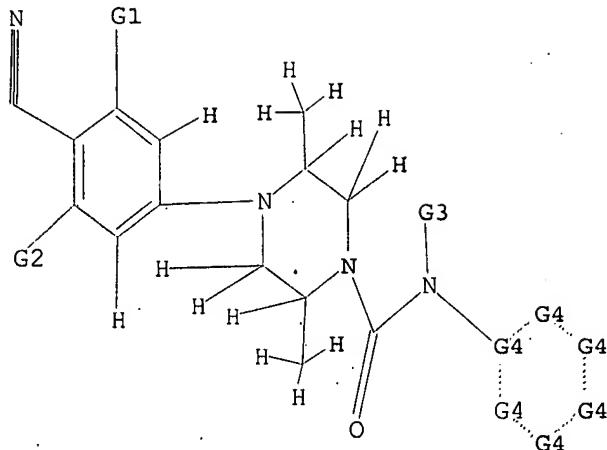
<http://www.cas.org/support/stngen/stndoc/properties.html>

=>  
Uploading C:\Program Files\Stnexp\Queries\10521119election.str

L1 STRUCTURE uploaded

=> D L1  
L1 HAS NO ANSWERS  
L1 STR

10/513699



G1 Me,CF<sub>3</sub>,MeO,EtO,n-PrO,i-PrO,n-BuO,i-BuO,s-BuO,t-BuO,CN,X

G2 H,Cl,Br,F,I,At,MeO,EtO

G3 H,Ak

G4 C,N

Structure attributes must be viewed using STN Express query preparation.

=> S L1

SAMPLE SEARCH INITIATED 15:02:01 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 15 TO ITERATE

100.0% PROCESSED 15 ITERATIONS 12 ANSWERS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 68 TO 532  
PROJECTED ANSWERS: 33 TO 447

L2 12 SEA SSS SAM L1

=> S L1 FULL  
FULL SEARCH INITIATED 15:02:05 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 288 TO ITERATE

100.0% PROCESSED 288 ITERATIONS 242 ANSWERS  
SEARCH TIME: 00.00.01

L3 242 SEA SSS FUL L1

=> FILE CAPLUS  
COST IN U.S. DOLLARS SINCE FILE TOTAL  
FULL ESTIMATED COST ENTRY SESSION  
172.10 172.73

FILE 'CAPLUS' ENTERED AT 15:02:10 ON 03 JUL 2007  
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10/513699

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FILE COVERS 1907 - 3 Jul 2007 VOL 147 ISS 2  
FILE LAST UPDATED: 2 Jul 2007 (20070702/ED)

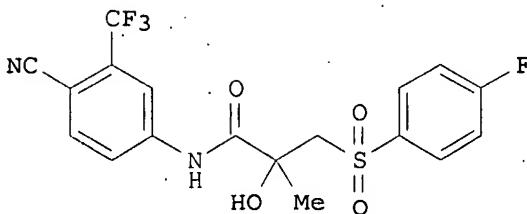
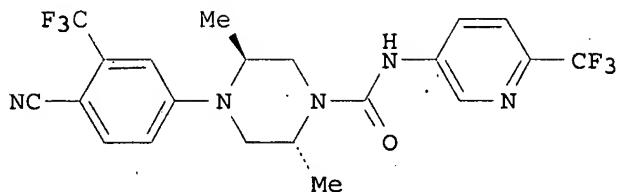
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=> S L3 FULL  
L4               5 L3

=> D IBIB ABS HITSTR TOT

L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 2005:1343030 CAPLUS  
DOCUMENT NUMBER: 144:246522  
TITLE: (+)-(2R,5S)-4-[4-Cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-[6-(trifluoromethyl)pyridin-3-yl]piperazine-1-carboxamide (YM580) as an Orally Potent and Peripherally Selective Nonsteroidal Androgen Receptor Antagonist  
AUTHOR(S): Kinoyama, Isao; Taniguchi, Nobuaki; Toyoshima, Akira; Nozawa, Eisuke; Kamikubo, Takashi; Imamura, Masakazu; Matsuhisa, Akira; Samizu, Kiyohiro; Kawanimani, Eiji; Niimi, Tatsuya; Hamada, Noritaka; Koutoku, Hiroshi; Furutani, Takashi; Kudoh, Masafumi; Okada, Minoru; Ohta, Mitsuaki; Tsukamoto, Shin-Ichi  
CORPORATE SOURCE: Drug Discovery Research, Astellas Pharma Inc., Ibaraki, 305-8585, Japan  
SOURCE: Journal of Medicinal Chemistry (2006), 49(2), 716-726  
CODEN: JMCMAR; ISSN: 0022-2623  
PUBLISHER: American Chemical Society  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
OTHER SOURCE(S): CASREACT 144:246522  
GI



AB Trans-N-aryl-2,5-dimethylpiperazine-1-carboxamides such as I are prepared as androgen receptor antagonists; I is found to be particularly effective at inhibiting human androgen receptor-mediated transcription and is evaluated in vitro and in vivo to determine its activity and pharmacology. N-aryl-2,5-dimethylpiperazine-1-carboxamides are prepared by reaction of aromatic amines with Ph chloroformate followed by reaction of the Ph carbamate intermediates with 1-(4-cyano-3-trifluoromethylphenyl)-trans-2,5-dimethylpiperazine; the piperazinecarboxamides are also prepared by conversion of arylcarboxylic acids to the corresponding acyl azides followed by Curtius rearrangement and reaction of the intermediate isocyanates with 1-(4-cyano-3-trifluoromethylphenyl)-trans-2,5-dimethylpiperazine. The enantiomers of trans-1-(4-cyano-3-trifluoromethylphenyl)-trans-2,5-dimethylpiperazine react with the isocyanate generated from 6-(trifluoromethyl)-3-pyridinecarboxylic acid to yield I and its enantiomer; I is significantly more active as an androgen receptor antagonist than its enantiomer. Unlike the known antiandrogenic agent bicalutamide II, I decreases the weight of rat ventral prostate in a dose-dependent manner ( $ED_{50} = 2.2 \text{ mg/kg/day}$ ), and induces its maximum antiandrogenic effect (comparable to that of surgical castration) without significantly affecting serum testosterone levels. I is a promising clinical candidate for prostate cancer monotherapy.

IT 375362-01-9P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent)

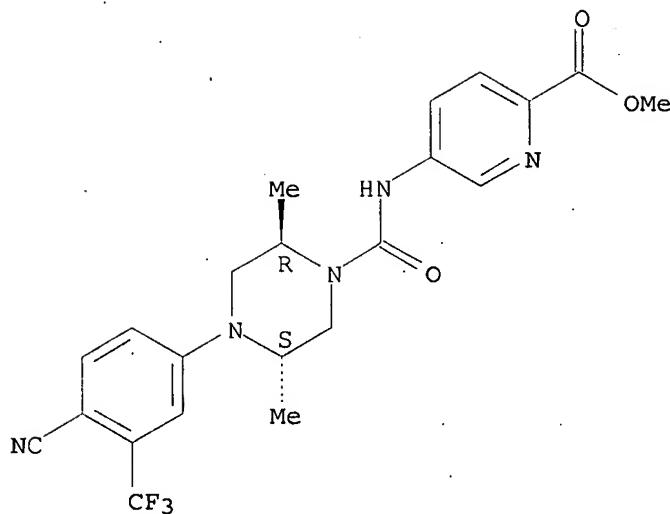
(preparation and in vitro and in vivo activities of trans-4-aryl-2,5-dimethylpiperazinecarboxamides as human androgen receptor antagonists)

RN 375362-01-9 CAPLUS

CN 2-Pyridinecarboxylic acid, 5-[[[(2R,5S)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-1-piperazinyl]carbonyl]amino]-, methyl ester, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

10/513699



IT 262294-49-5P 262294-50-8P 262294-83-7P  
262295-20-5P 375360-32-0P 876460-28-5P  
876460-29-6P 876460-30-9P 876460-31-0P  
876460-32-1P 876460-33-2P 876460-34-3P  
876460-35-4P 876460-36-5P 876460-37-6P  
876460-38-7P 876460-39-8P 876460-40-1P  
876460-41-2P 876460-42-3P 876460-43-4P  
876460-45-6P

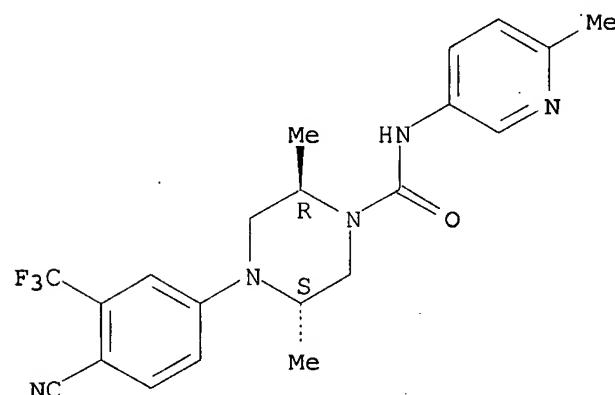
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(preparation and in vitro and in vivo activities of trans-4-aryl-2,5-dimethylpiperazinecarboxamides as human androgen receptor antagonists)

RN 262294-49-5 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-(6-methyl-3-pyridinyl)-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

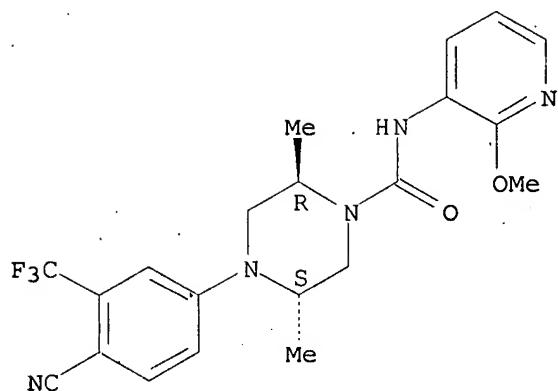


RN 262294-50-8 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(2-methoxy-3-pyridinyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

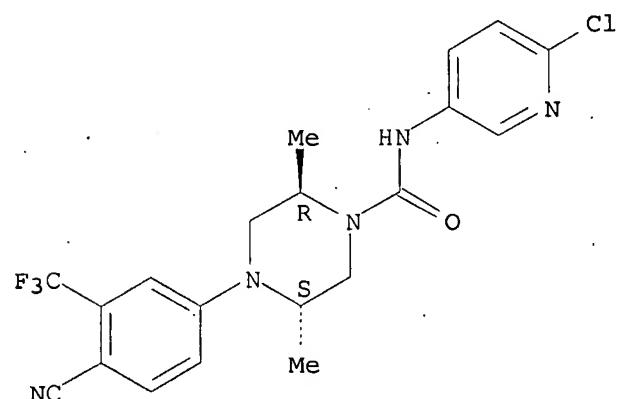
10/513699



RN 262294-83-7 CAPLUS

CN 1-Piperazinecarboxamide, N-(6-chloro-3-pyridinyl)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

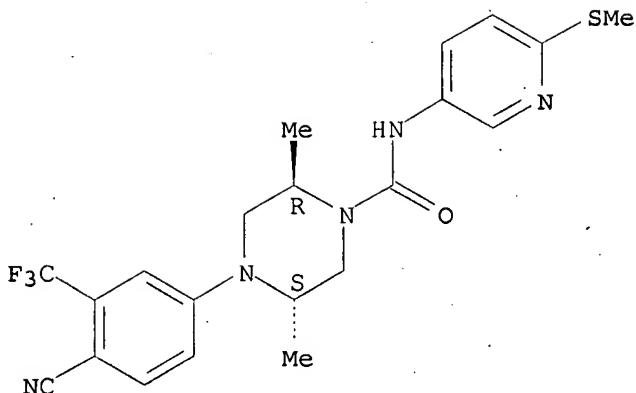


RN 262295-20-5 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-[6-(methylthio)-3-pyridinyl]-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

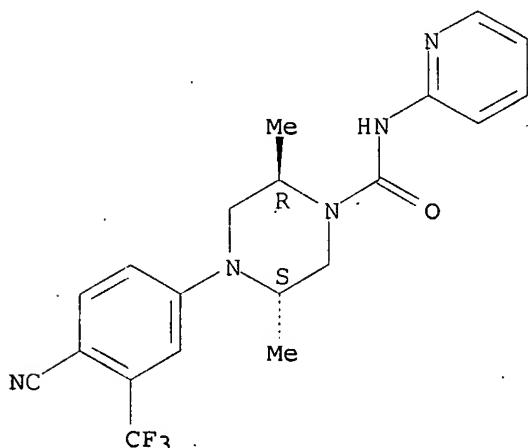
10/513699



RN 375360-32-0 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-2-pyridinyl-, monohydrochloride, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



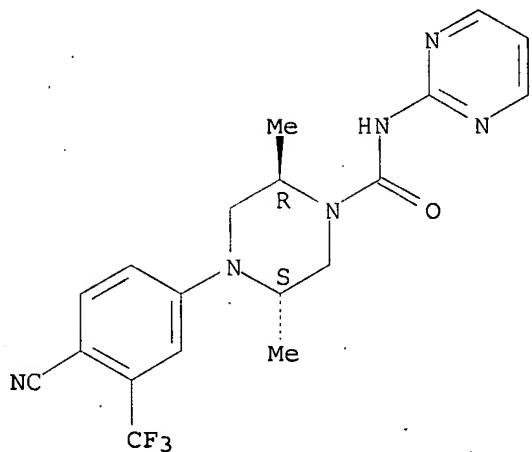
● HCl

RN 876460-28-5 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-2-pyrimidinyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

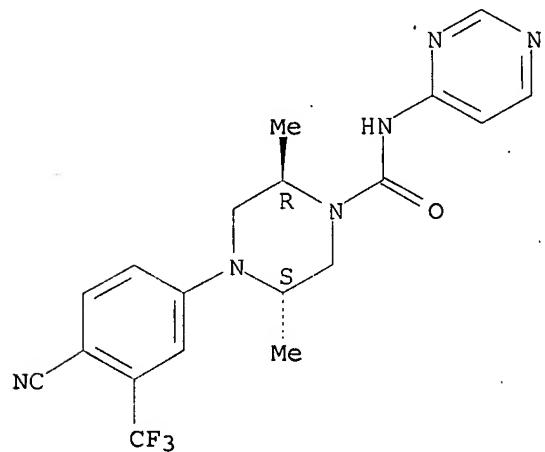
10/513699



RN 876460-29-6 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-4-pyrimidinyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

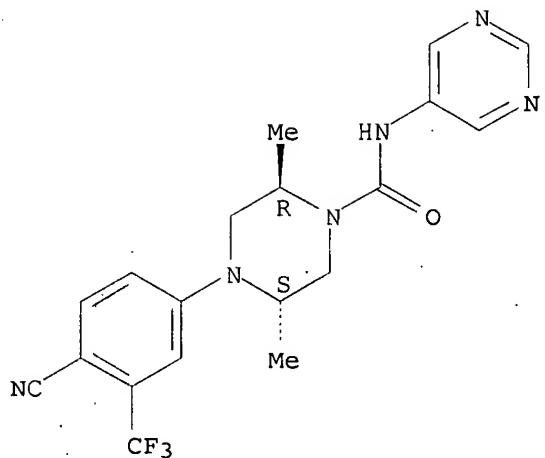


RN 876460-30-9 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-5-pyrimidinyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

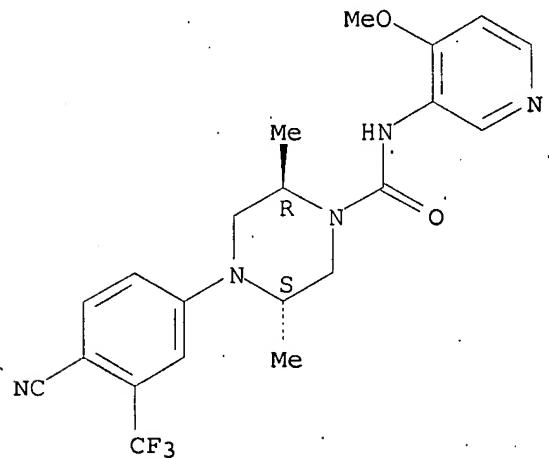
10/513699



RN 876460-31-0 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(4-methoxy-3-pyridinyl)-2,5-dimethyl-, monohydrochloride, (2R,5S)-rel- (9CI)  
(CA INDEX NAME)

Relative stereochemistry.



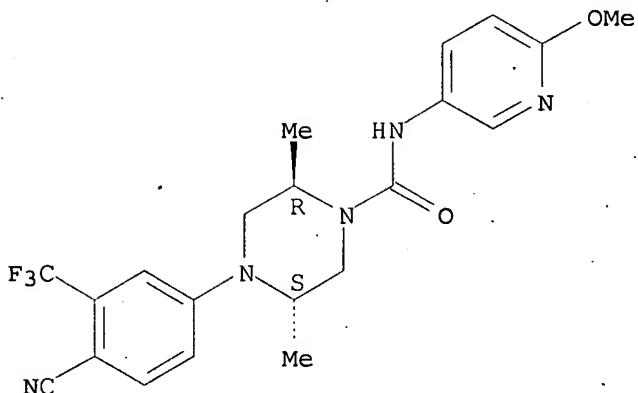
● HCl

RN 876460-32-1 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(6-methoxy-3-pyridinyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

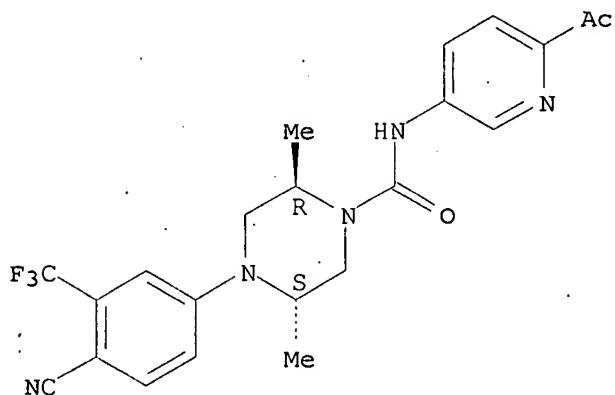
10/513699



RN 876460-33-2 CAPLUS

CN 1-Piperazinecarboxamide, N-(6-acetyl-3-pyridinyl)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

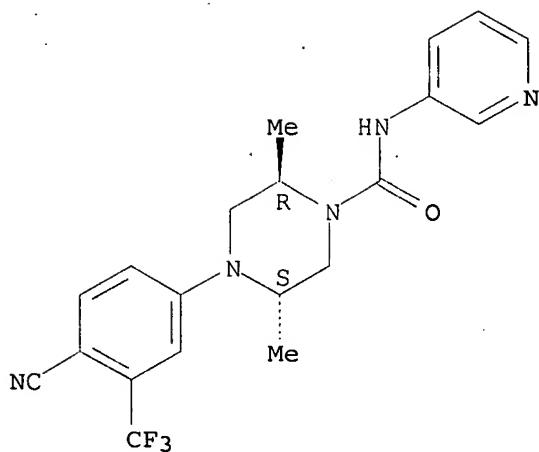


RN 876460-34-3 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-3-pyridinyl-, monohydrochloride, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

10/513699

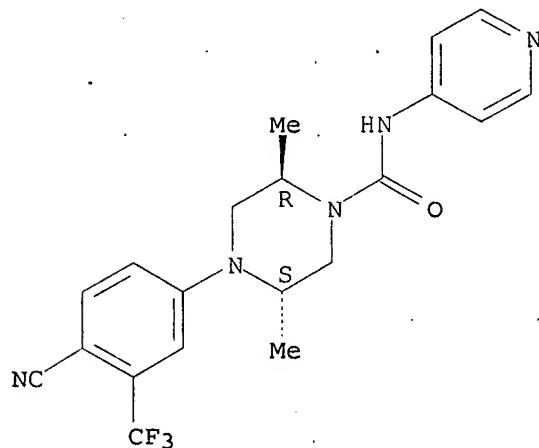


● HCl

RN 876460-35-4 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-4-pyridinyl-, monohydrochloride, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



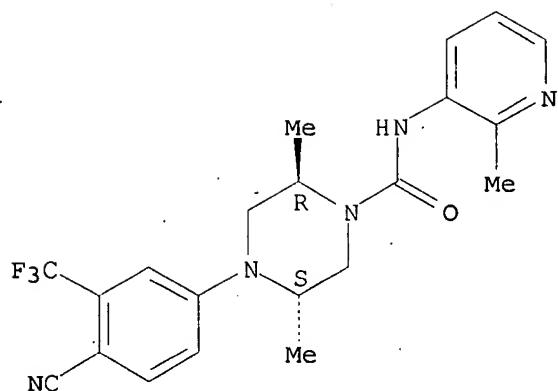
● HCl

RN 876460-36-5 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-(2-methyl-3-pyridinyl)-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

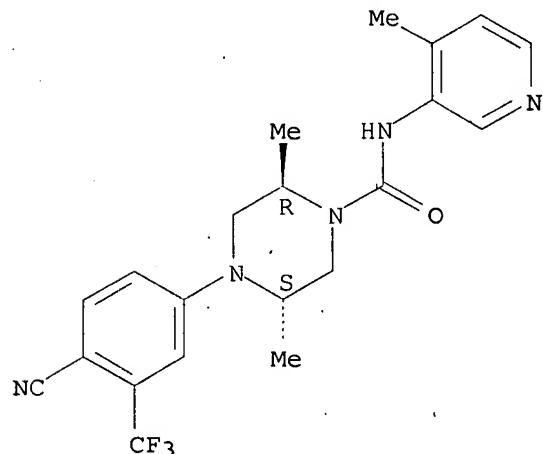
10/513699



RN 876460-37-6 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-(4-methyl-3-pyridinyl)-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

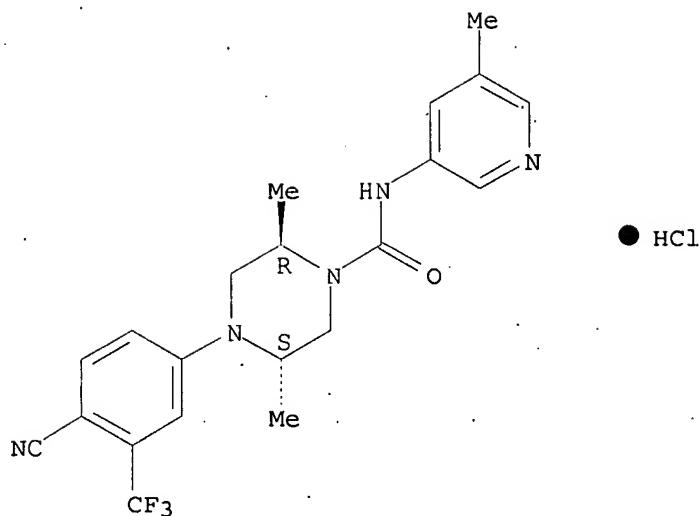


RN 876460-38-7 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-(5-methyl-3-pyridinyl)-, monohydrochloride, (2R,5S)-rel- (9CI) (CA INDEX NAME)

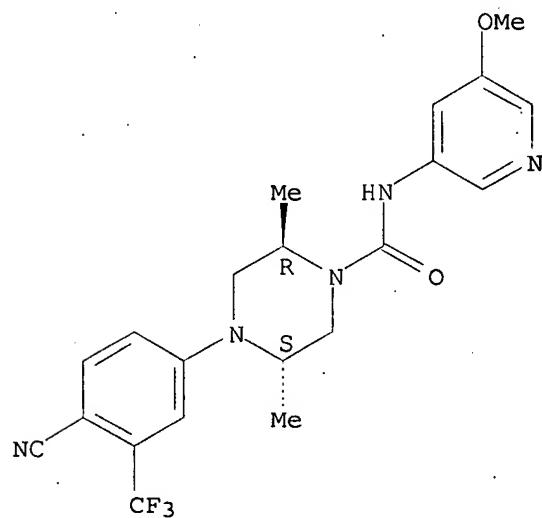
Relative stereochemistry.

10/513699



RN 876460-39-8 CAPLUS  
CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(5-methoxy-3-pyridinyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

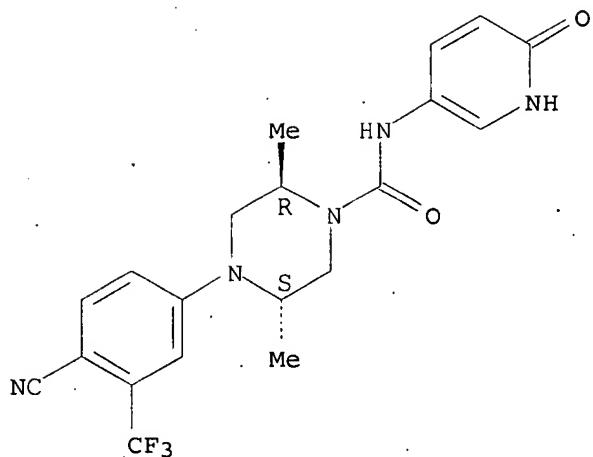
Relative stereochemistry.



RN 876460-40-1 CAPLUS  
CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(1,6-dihydro-6-oxo-3-pyridinyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

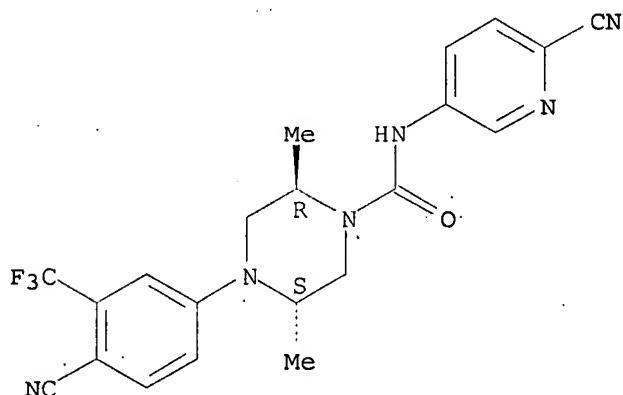
10/513699



RN 876460-41-2 CAPLUS

CN 1-Piperazinecarboxamide, N-(6-cyano-3-pyridinyl)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

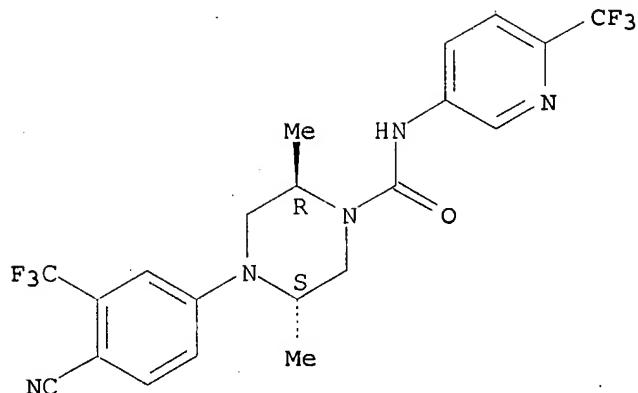


RN 876460-42-3 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-[6-(trifluoromethyl)-3-pyridinyl]-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

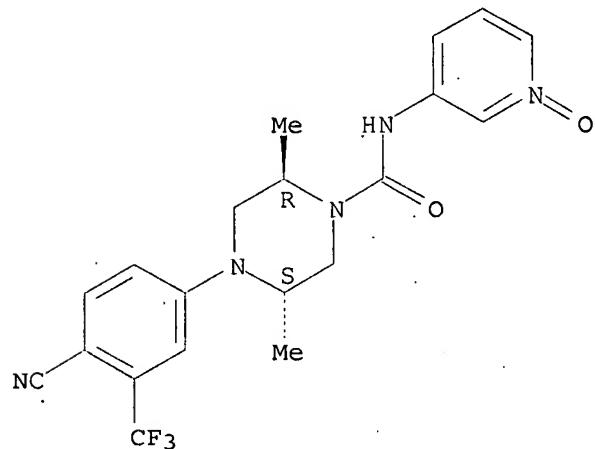
10/513699



RN 876460-43-4 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-(1-oxido-3-pyridinyl)-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

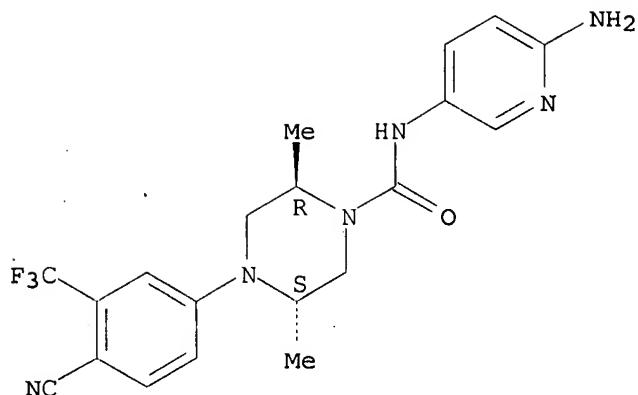


RN 876460-45-6 CAPLUS

CN 1-Piperazinecarboxamide, N-(6-amino-3-pyridinyl)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

10/513699



IT 262294-46-2P 262294-94-0P 876460-44-5P

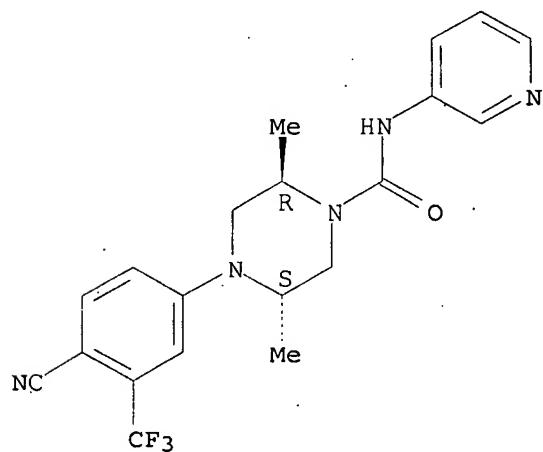
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and in vitro and in vivo activities of trans-4-aryl-2,5-dimethylpiperazinecarboxamides as human androgen receptor antagonists)

RN 262294-46-2 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-3-pyridinyl-, (2R,5S)-rel- (9CI). (CA INDEX NAME)

Relative stereochemistry.

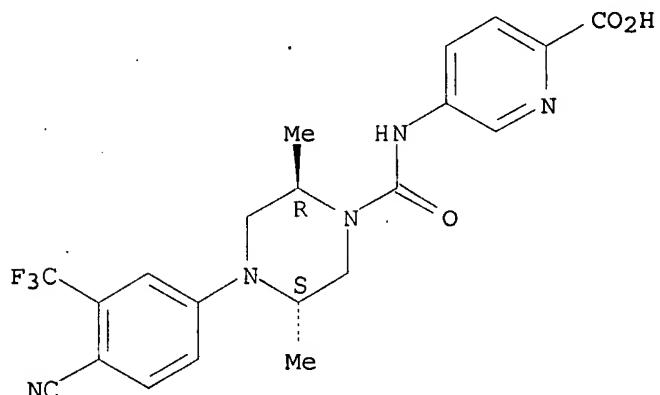


RN 262294-94-0 CAPLUS

CN 2-Pyridinecarboxylic acid, 5-[[[(2R,5S)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-1-piperazinyl]carbonyl]amino]-, rel- (9CI). (CA INDEX NAME)

Relative stereochemistry.

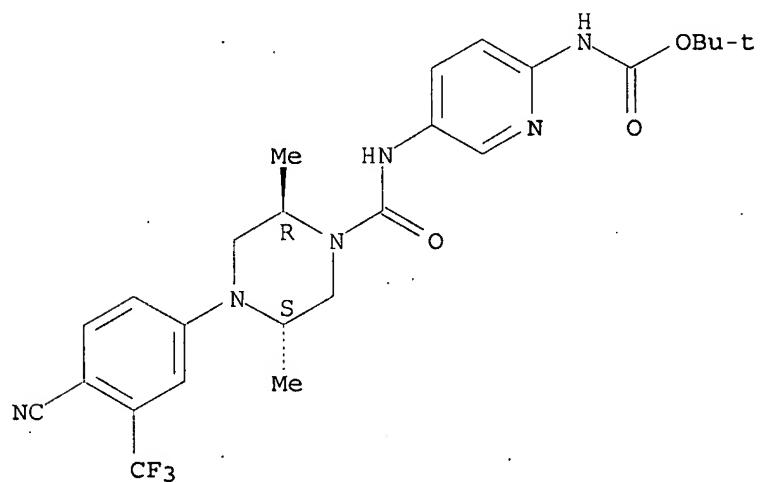
10/513699



RN 876460-44-5 CAPLUS

CN Carbamic acid, [5-[[[(2R,5S)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-1-piperazinyl]carbonyl]amino]-2-pyridinyl]-, 1,1-dimethylethyl ester, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



IT 262294-30-4

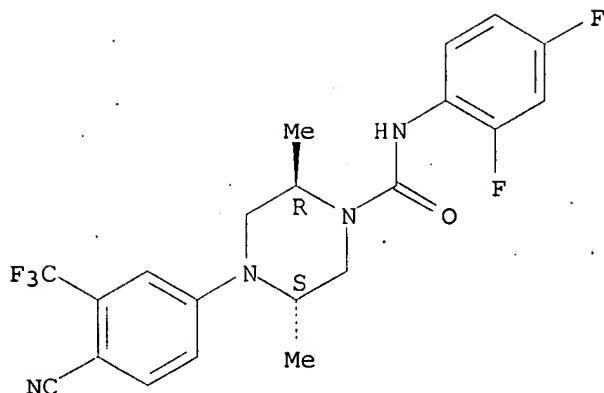
RL: PAC (Pharmacological activity); BIOL (Biological study)  
(preparation and in vitro and in vivo activities of trans-4-aryl-2,5-dimethylpiperazinecarboxamides as human androgen receptor antagonists and comparison of their activities to that of an initial lead compound)

RN 262294-30-4 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(2,4-difluorophenyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

10/513699



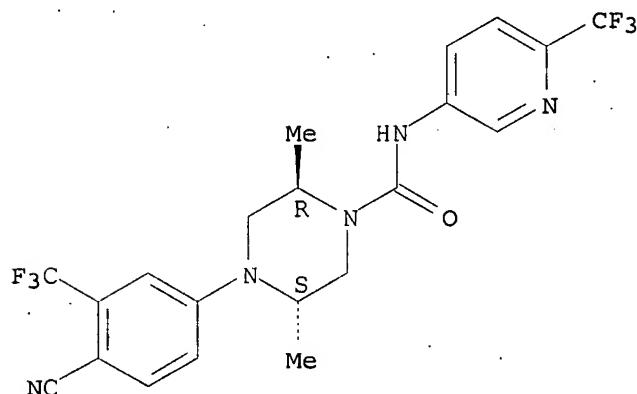
IT 262295-11-4P

RL: PAC (Pharmacological activity); PKT (Pharmacokinetics); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
(preparation of a nonracemic arylidimethylpiperazinecarboxamide as a human androgen receptor antagonist, comparison of its activity to that of its enantiomer, and comparison of its activity and pharmacol. to those of bicalutamide)

RN 262295-11-4 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-[6-(trifluoromethyl)-3-pyridinyl]-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



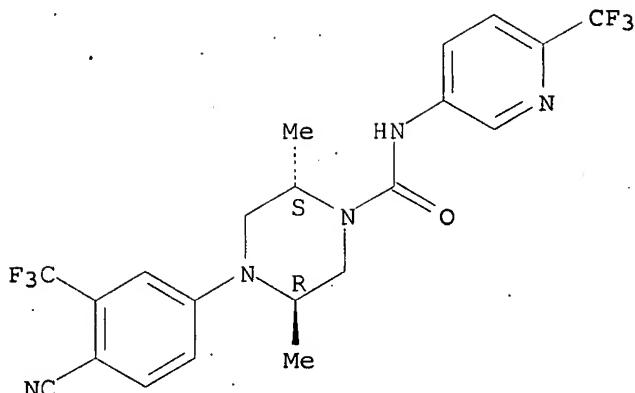
IT 876460-47-8P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
(preparation of both enantiomers of a arylidimethylpiperazinecarboxamide as human androgen receptor antagonist and comparison of their androgen receptor antagonist activities)

RN 876460-47-8 CAPLUS

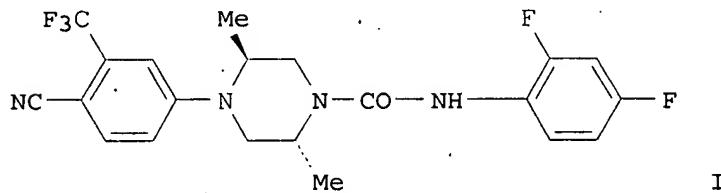
CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-[6-(trifluoromethyl)-3-pyridinyl]-, (2S,5R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



REFERENCE COUNT: 51 THERE ARE 51 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2005:446498 CAPLUS  
 DOCUMENT NUMBER: 143:71003  
 TITLE: N-arylpiperazine-1-carboxamide derivatives: A novel series of orally active nonsteroidal androgen receptor antagonists  
 AUTHOR(S): Kinoyama, Isao; Taniguchi, Nobuaki; Kawaminami, Eiji; Nozawa, Eisuke; Koutoku, Hiroshi; Furutani, Takashi; Kudoh, Masafumi; Okada, Minoru  
 CORPORATE SOURCE: Institute for Drug Discovery Research, Yamanouchi Pharmaceutical Co., Ltd., Ibaraki, 305-8585, Japan  
 SOURCE: Chemical & Pharmaceutical Bulletin (2005), 53(4), 402-409  
 PUBLISHER: CODEN: CPBTAL; ISSN: 0009-2363  
 DOCUMENT TYPE: Pharmaceutical Society of Japan  
 LANGUAGE: Journal  
 English  
 GI



I

AB A novel series of N-arylpiperazine-1-carboxamide derivs. was synthesized and their androgen receptor (AR) antagonist activities and in vivo antiandrogenic properties were evaluated. Reporter assays indicated that trans-2,5-dimethylpiperazine derivs. are potent AR antagonists, and in this series trans-N-4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(2,4-difluorophenyl)-2,5-dimethylpiperazine-1-carboxamide (I, YM-175735) exhibited the most potent antiandrogenic activity. Compared to bicalutamide, YM-175735 is an approx. 4-fold stronger AR antagonist and has slightly increased antiandrogenic activity, suggesting that YM-175735 may be useful in the treatment of prostate cancer.

10/513699

IT 262293-89-0P 262293-93-6P 262294-23-5P

262294-29-1P 262294-30-4P 262294-31-5P

854765-33-6P

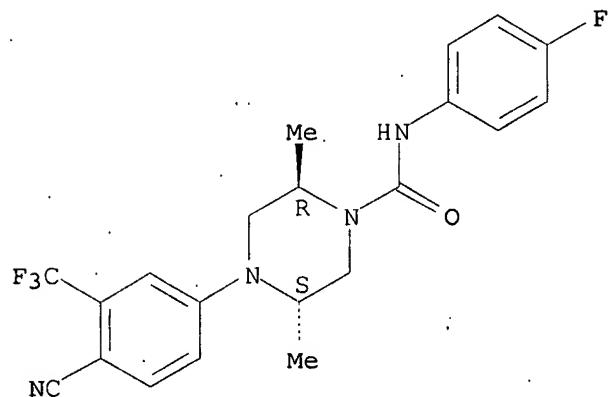
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(N-arylpiperazine-1-carboxamide derivs., a series of orally active nonsteroidal androgen receptor antagonists)

RN 262293-89-0 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(4-fluorophenyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

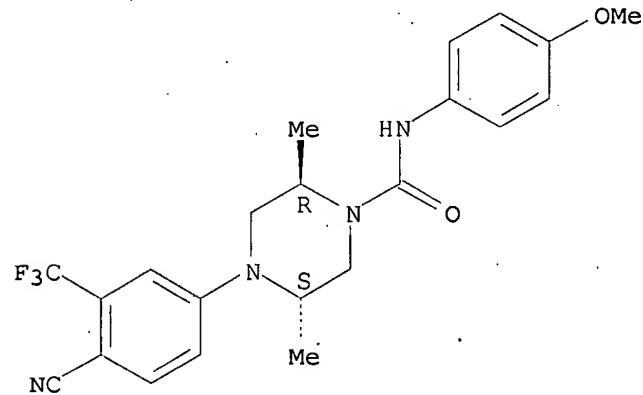
Relative stereochemistry.



RN 262293-93-6 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(4-methoxyphenyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

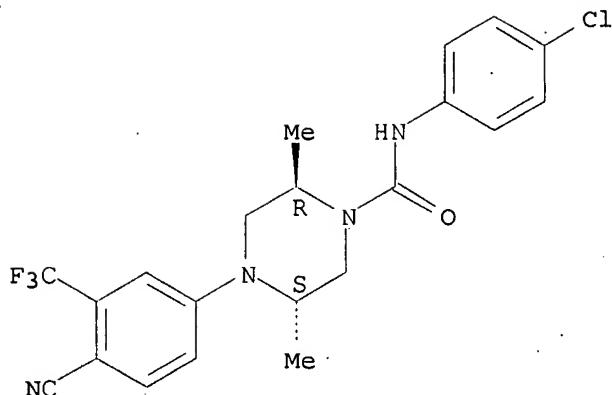


RN 262294-23-5 CAPLUS

CN 1-Piperazinecarboxamide, N-(4-chlorophenyl)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

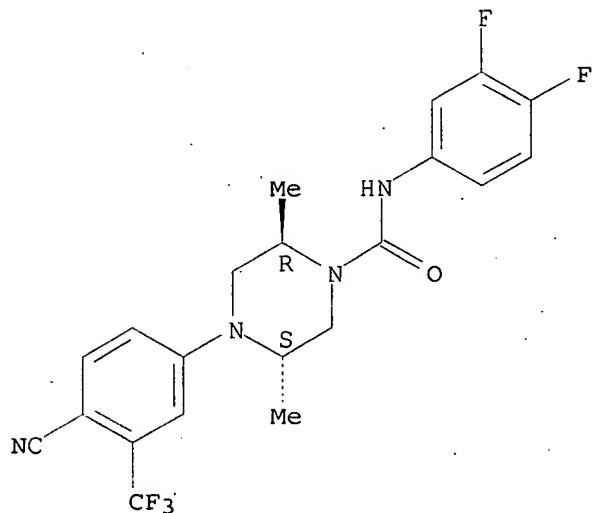
10/513699



RN 262294-29-1 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(3,4-difluorophenyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

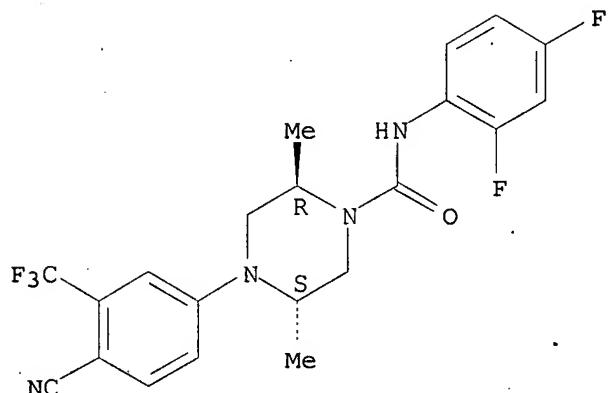


RN 262294-30-4 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(2,4-difluorophenyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

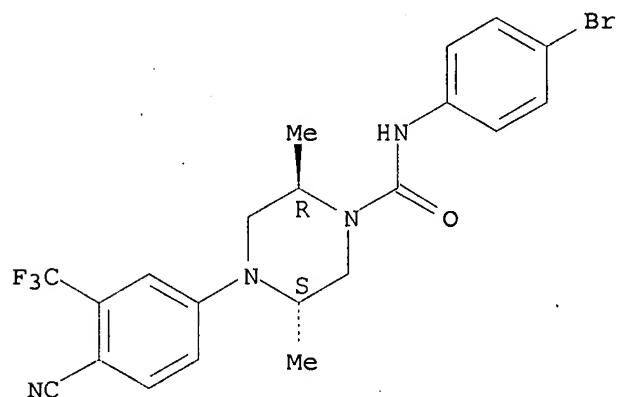
10/513699



RN 262294-31-5 CAPLUS

CN 1-Piperazinecarboxamide, N-(4-bromophenyl)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

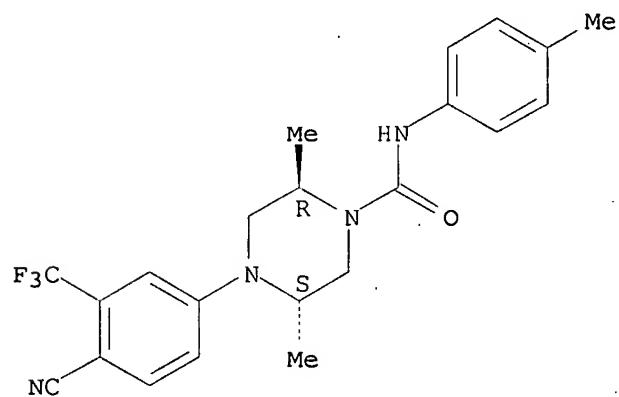
Relative stereochemistry.



RN 854765-33-6 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-(4-methylphenyl)-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



10/513699

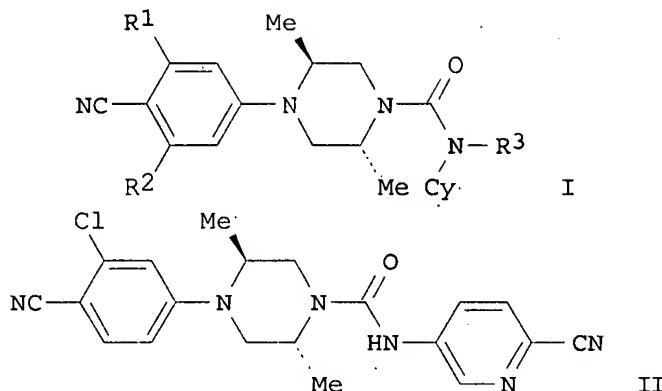
REFERENCE COUNT: 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 2004:60487 CAPLUS  
DOCUMENT NUMBER: 140:111431  
TITLE: Preparation of (2R,5S)-dimethylpiperazine derivatives for treatment of prostate cancer  
INVENTOR(S): Taniguchi, Nobuaki; Imamura, Masakazu; Hayakawa, Masahiko; Kawaguchi, Kenichi; Kimura, Takenori; Kinoyama, Isao; Kaizawa, Hiroyuki; Okada, Minoru; Furutani, Takashi  
PATENT ASSIGNEE(S): Yamanouchi Pharmaceutical Co., Ltd., Japan  
SOURCE: PCT Int. Appl., 46 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004007471	A1	20040122	WO 2003-JP8860	20030711
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2492138	A1	20040122	CA 2003-2492138	20030711
AU 2003248052	A1	20040202	AU 2003-248052	20030711
EP 1557411	A1	20050727	EP 2003-764179	20030711
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
US 2005261303	A1	20051124	US 2005-521119	20050112
PRIORITY APPLN. INFO.:			JP 2002-203690	A 20020712
			WO 2003-JP8860	W 20030711

GI

Instant Case



AB The title novel N-phenyl-(2R,5S)-dimethylpiperazine derivs. with general formula of I [wherein R1 = Cl, F, Br, CN, Me, CF<sub>3</sub>, or alkoxy; R2 = H, F, or MeO; R3 = H or alkyl; Cy = (un)substituted Ph, pyridyl, pyrimidinyl, imidazopyridinyl, benzopyrazinyl, quinoxalinyl, quinolinyl, benzothiazolyl, isoquinolinyl, benzothiadiazolyl, indolidinyl, or tetrahydrobenzofuranyl; with exclusions] or salts thereof are prepared. For example, the compound II was prepared in a multi-step synthesis. II showed inhibitory activity with IC<sub>50</sub> of 40 nM against transcription activation in rat. I are useful for the treatment of prostate cancer, prostate gland enlargement, etc.

IT 648422-62-2P 648422-63-3P 648422-64-4P  
 648422-65-5P 648422-66-6P 648422-67-7P  
 648422-68-8P 648422-70-2P 648422-71-3P  
 648422-72-4P 648422-73-5P 648422-74-6P  
 648422-75-7P 648422-77-9P 648422-79-1P  
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 648423-49-8P 648423-50-1P 648423-51-2P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(drug candidate; preparation of dimethylpiperazine derivs. for treatment of

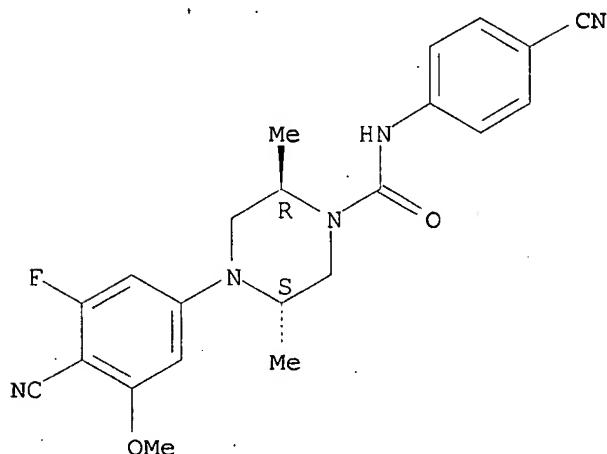
10/513699

prostate cancer)

RN 648422-62-2 CAPLUS

CN 1-Piperazinecarboxamide, 4-(4-cyano-3-fluoro-5-methoxyphenyl)-N-(4-cyanophenyl)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

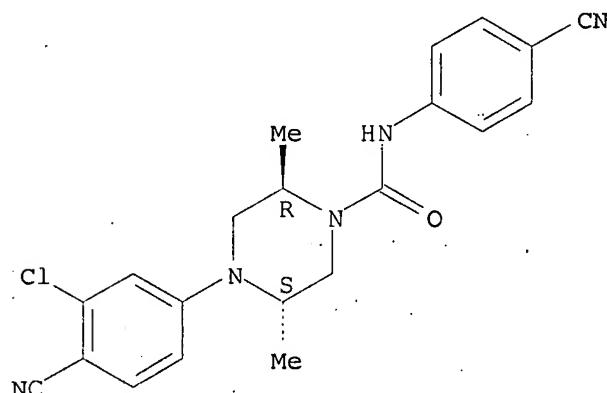
Absolute stereochemistry.



RN 648422-63-3 CAPLUS

CN 1-Piperazinecarboxamide, 4-(3-chloro-4-cyanophenyl)-N-(4-cyanophenyl)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

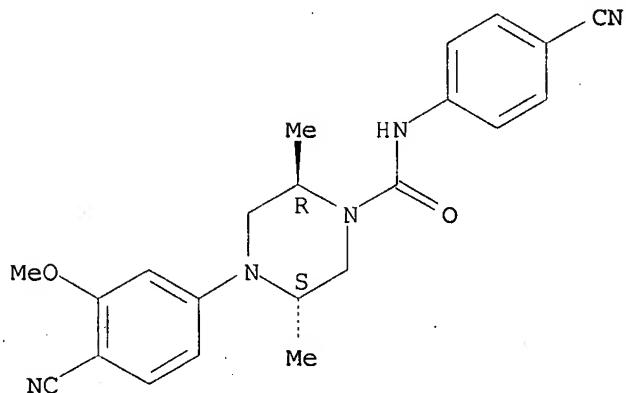


RN 648422-64-4 CAPLUS

CN 1-Piperazinecarboxamide, 4-(4-cyano-3-methoxyphenyl)-N-(4-cyanophenyl)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

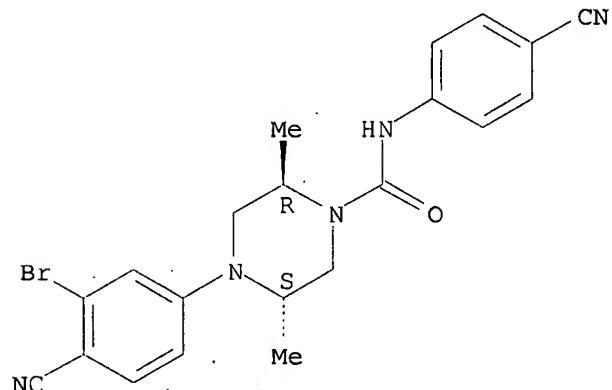
10/513699



RN 648422-65-5 CAPLUS

CN 1-Piperazinecarboxamide, 4-(3-bromo-4-cyanophenyl)-N-(4-cyanophenyl)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

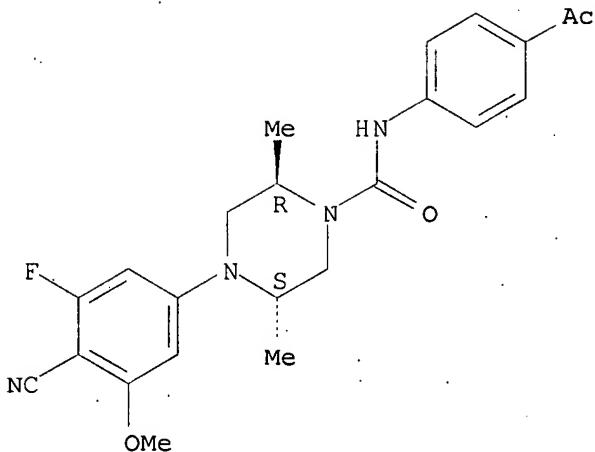


RN 648422-66-6 CAPLUS

CN 1-Piperazinecarboxamide, N-(4-acetylphenyl)-4-(4-cyano-3-fluoro-5-methoxyphenyl)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

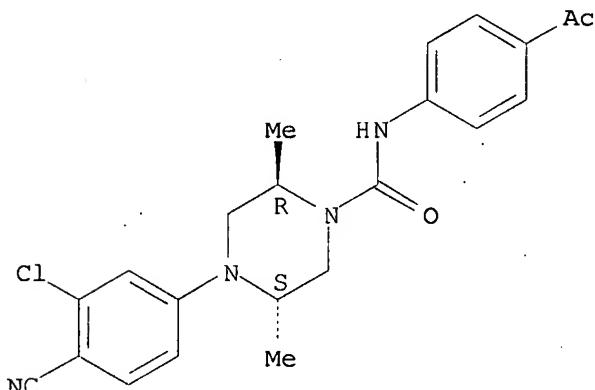
10/513699



RN 648422-67-7 CAPLUS

CN 1-Piperazinecarboxamide, N-(4-acetylphenyl)-4-(3-chloro-4-cyanophenyl)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

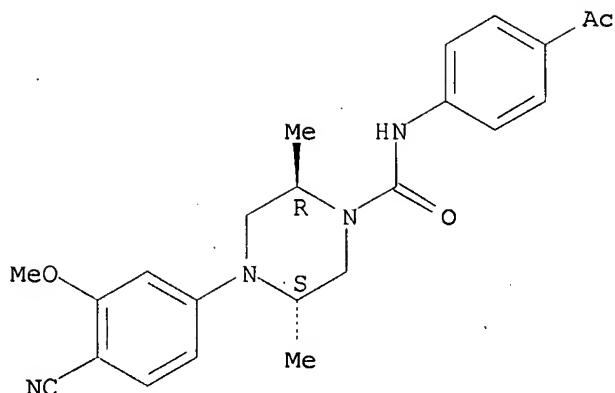


RN 648422-68-8 CAPLUS

CN 1-Piperazinecarboxamide, N-(4-acetylphenyl)-4-(4-cyano-3-methoxyphenyl)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

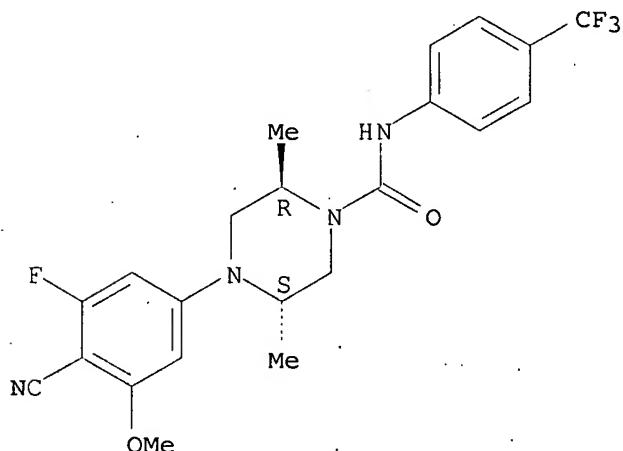
10/513699



RN 648422-70-2 CAPLUS

CN 1-Piperazinecarboxamide, 4-(4-cyano-3-fluoro-5-methoxyphenyl)-2,5-dimethyl-N-[4-(trifluoromethyl)phenyl]-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

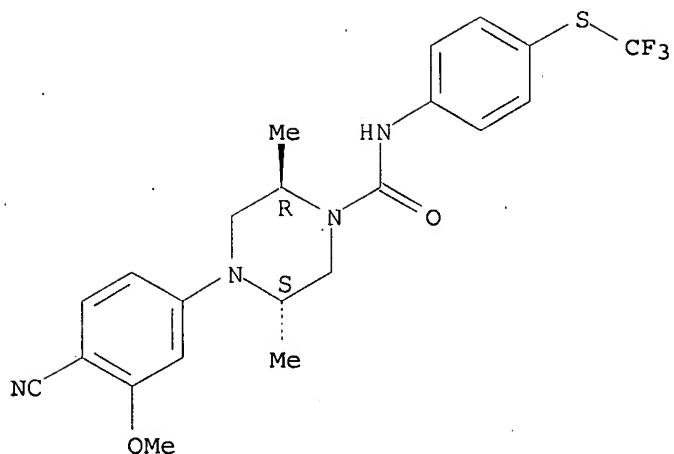


RN 648422-71-3 CAPLUS

CN 1-Piperazinecarboxamide, 4-(4-cyano-3-methoxyphenyl)-2,5-dimethyl-N-[4-(trifluoromethyl)thio]phenyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

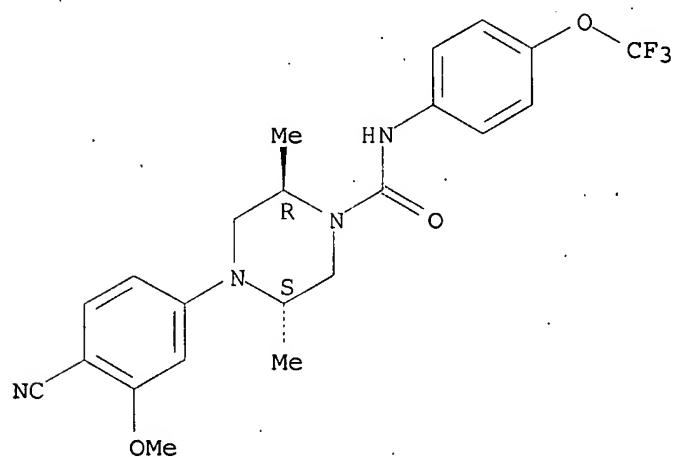
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RN 648422-72-4 CAPLUS

CN 1-Piperazinecarboxamide, 4-(4-cyano-3-methoxyphenyl)-2,5-dimethyl-N-[4-(trifluoromethoxy)phenyl]-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

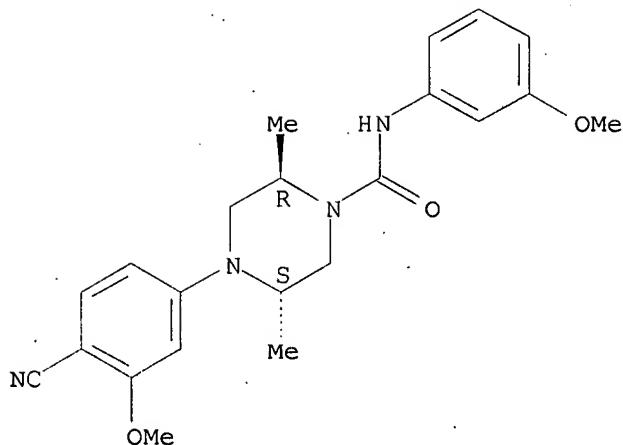


RN 648422-73-5 CAPLUS

CN 1-Piperazinecarboxamide, 4-(4-cyano-3-methoxyphenyl)-N-(3-methoxyphenyl)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

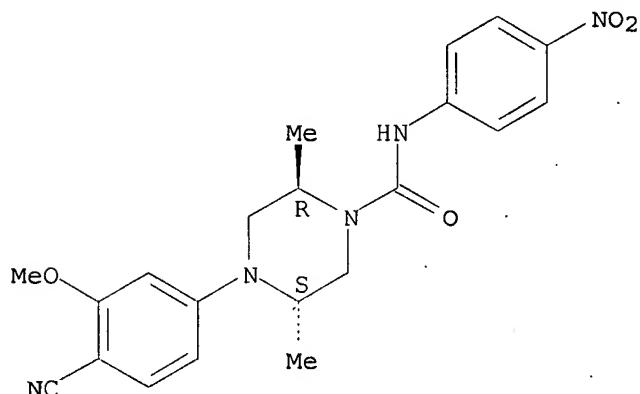
10/513699



RN 648422-74-6 CAPLUS

CN 1-Piperazinecarboxamide, 4-(4-cyano-3-methoxyphenyl)-2,5-dimethyl-N-(4-nitrophenyl)-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

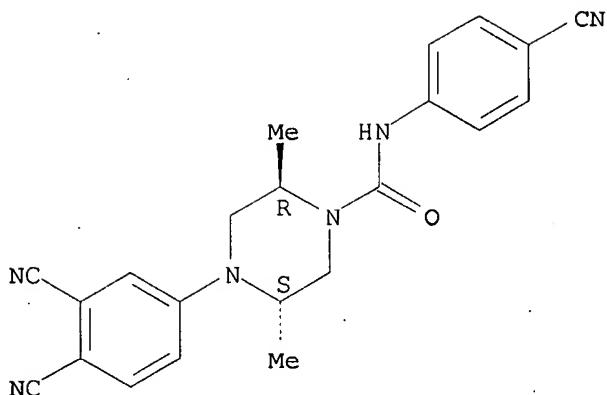


RN 648422-75-7 CAPLUS

CN 1-Piperazinecarboxamide, N-(4-cyanophenyl)-4-(3,4-dicyanophenyl)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

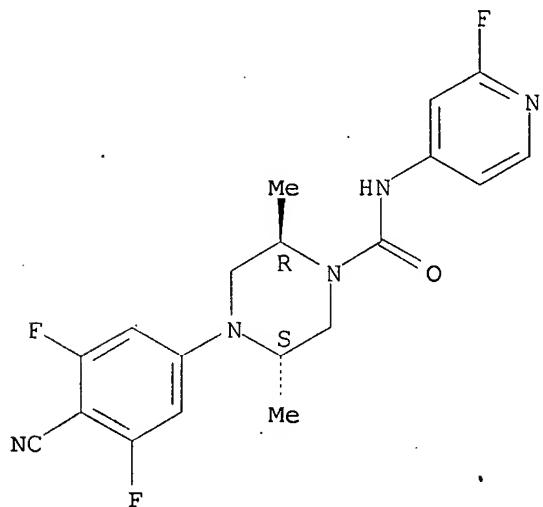
10/513699



RN 648422-77-9 CAPLUS

CN 1-Piperazinecarboxamide, 4-(4-cyano-3,5-difluorophenyl)-N-(2-fluoro-4-pyridinyl)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

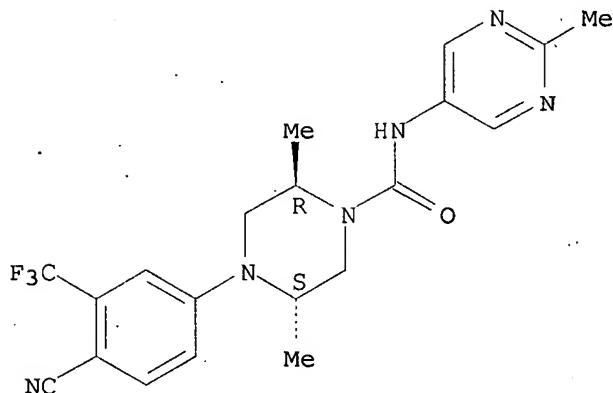


RN 648422-79-1 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(2-methyl-5-pyrimidinyl)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

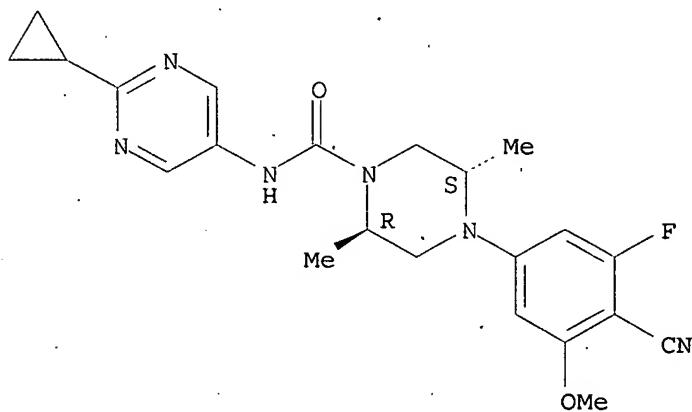
10/513699



RN 648422-80-4 CAPLUS

CN 1-Piperazinecarboxamide, 4-(4-cyano-3-fluoro-5-methoxyphenyl)-N-(2-cyclopropyl-5-pyrimidinyl)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

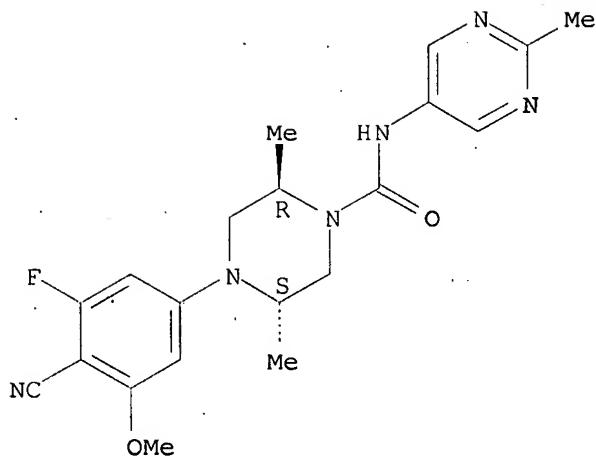


RN 648422-81-5 CAPLUS

CN 1-Piperazinecarboxamide, 4-(4-cyano-3-fluoro-5-methoxyphenyl)-2,5-dimethyl-N-(2-methyl-5-pyrimidinyl)-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

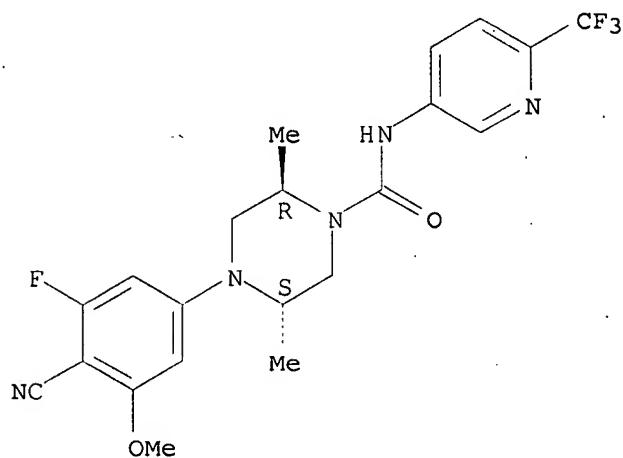
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RN 648422-82-6 CAPLUS

CN 1-Piperazinecarboxamide, 4-(4-cyano-3-fluoro-5-methoxyphenyl)-2,5-dimethyl-N-[6-(trifluoromethyl)-3-pyridinyl]-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

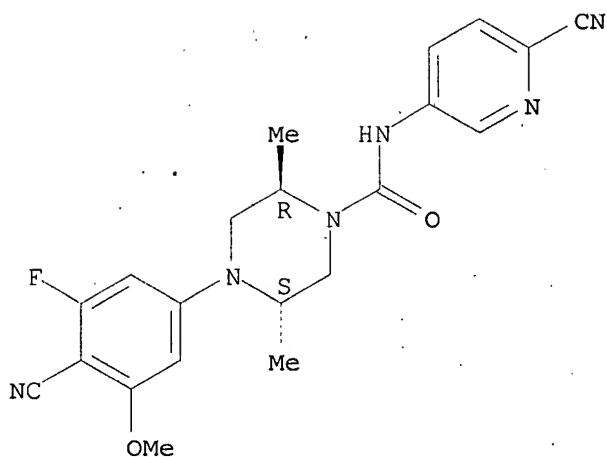


RN 648422-83-7 CAPLUS

CN 1-Piperazinecarboxamide, 4-(4-cyano-3-fluoro-5-methoxyphenyl)-N-(6-cyano-3-pyridinyl)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

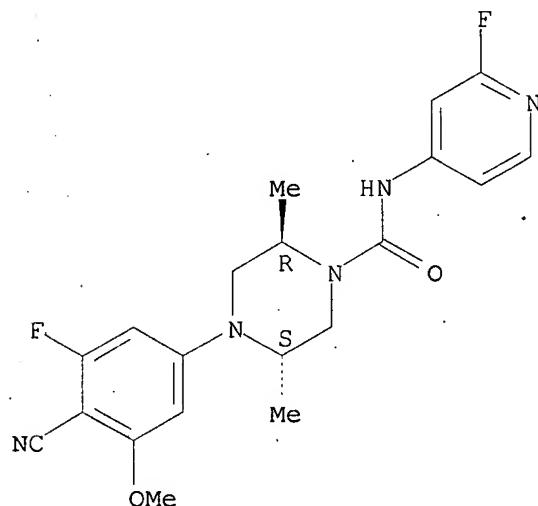
10/513699



RN 648422-84-8 CAPLUS

CN 1-Piperazinecarboxamide, 4-(4-cyano-3-fluoro-5-methoxyphenyl)-N-(2-fluoro-4-pyridinyl)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

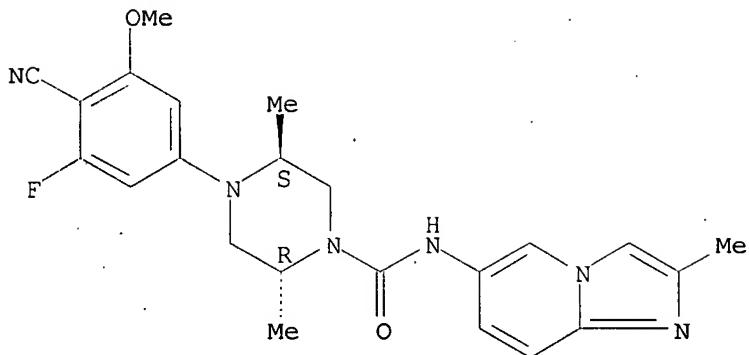


RN 648422-85-9 CAPLUS

CN 1-Piperazinecarboxamide, 4-(4-cyano-3-fluoro-5-methoxyphenyl)-2,5-dimethyl-N-(2-methylimidazo[1,2-a]pyridin-6-yl)-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

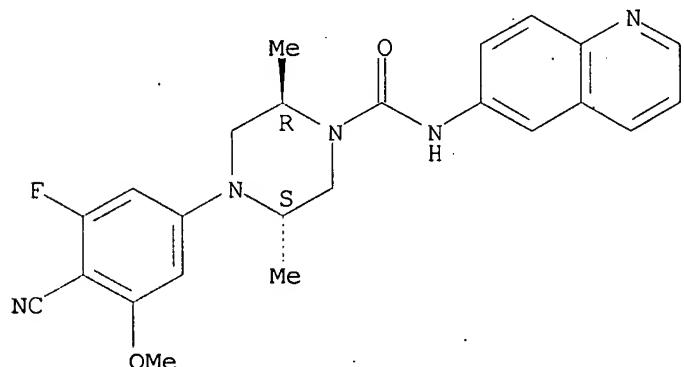
10/513699



RN 648422-86-0 CAPLUS

CN 1-Piperazinecarboxamide, 4-(4-cyano-3-fluoro-5-methoxyphenyl)-2,5-dimethyl-N-6-quinolinyl-, monohydrochloride, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



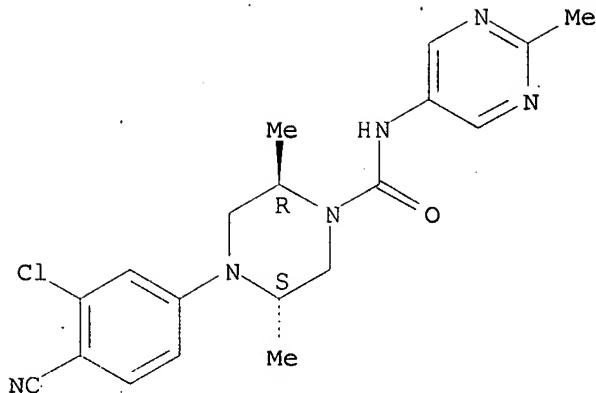
● HCl

RN 648422-87-1 CAPLUS

CN 1-Piperazinecarboxamide, 4-(3-chloro-4-cyanophenyl)-2,5-dimethyl-N-(2-methyl-5-pyrimidinyl)-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

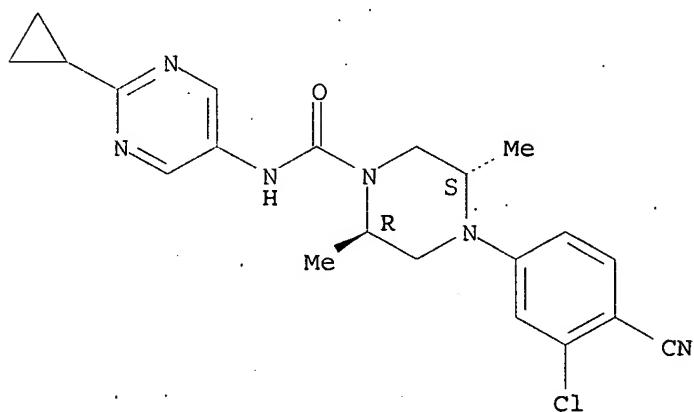
10/513699



RN 648422-88-2 CAPLUS

CN 1-Piperazinecarboxamide, 4-(3-chloro-4-cyanophenyl)-N-(2-cyclopropyl-5-pyrimidinyl)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

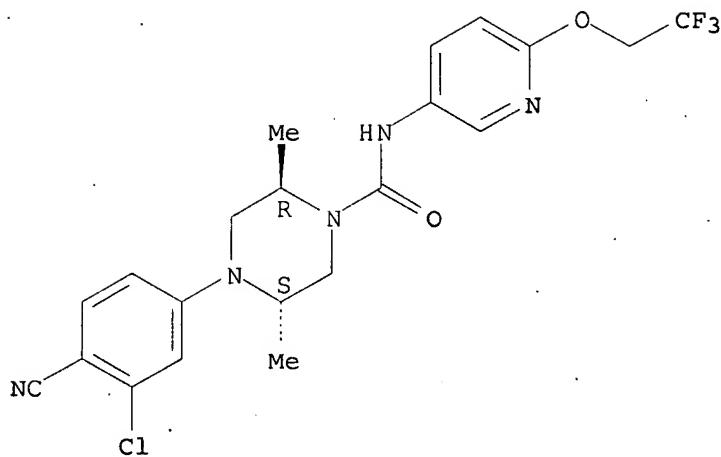


RN 648422-89-3 CAPLUS

CN 1-Piperazinecarboxamide, 4-(3-chloro-4-cyanophenyl)-2,5-dimethyl-N-[6-(2,2,2-trifluoroethoxy)-3-pyridinyl]-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

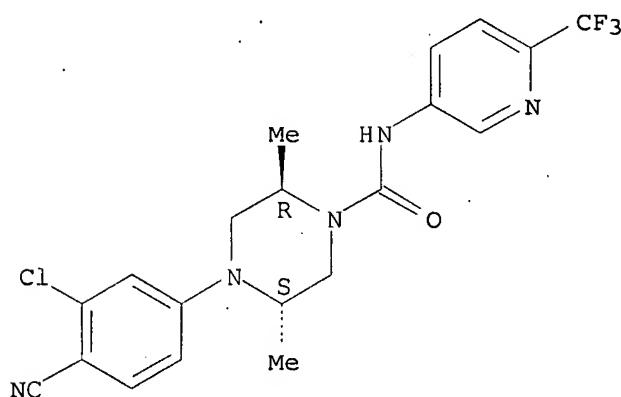
10/513699



RN 648422-90-6 CAPLUS

CN 1-Piperazinecarboxamide, 4-(3-chloro-4-cyanophenyl)-2,5-dimethyl-N-[6-(trifluoromethyl)-3-pyridinyl]-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

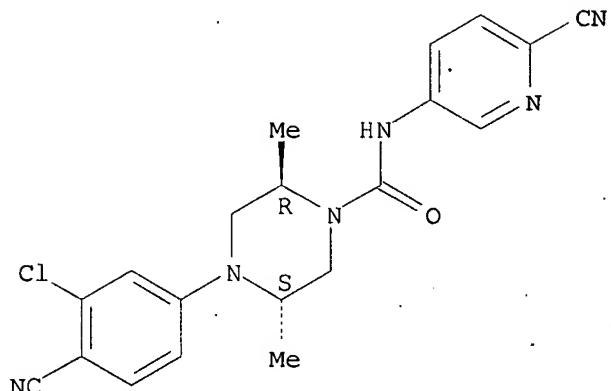


RN 648422-91-7 CAPLUS

CN 1-Piperazinecarboxamide, 4-(3-chloro-4-cyanophenyl)-N-(6-cyano-3-pyridinyl)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

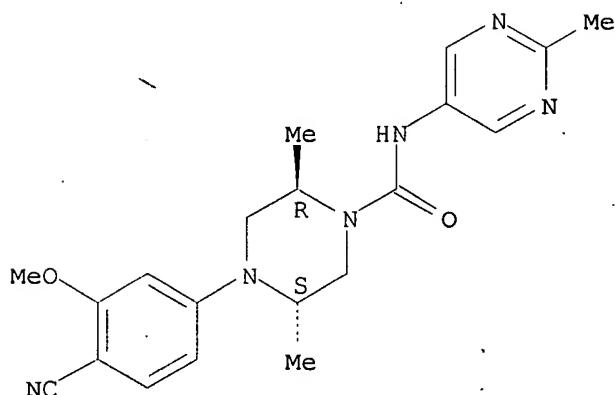
10/513699



RN 648422-92-8 CAPLUS

CN 1-Piperazinecarboxamide, 4-(4-cyano-3-methoxyphenyl)-2,5-dimethyl-N-(2-methyl-5-pyrimidinyl)-, (2R,5S)- (9CI) (CA INDEX NAME)

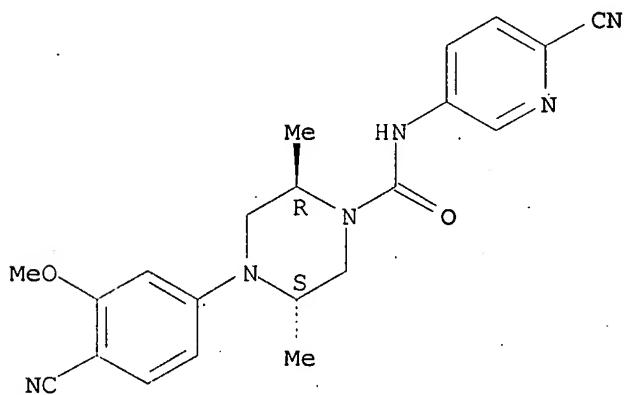
Absolute stereochemistry.



RN 648422-93-9 CAPLUS

CN 1-Piperazinecarboxamide, 4-(4-cyano-3-methoxyphenyl)-N-(6-cyano-3-pyridinyl)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

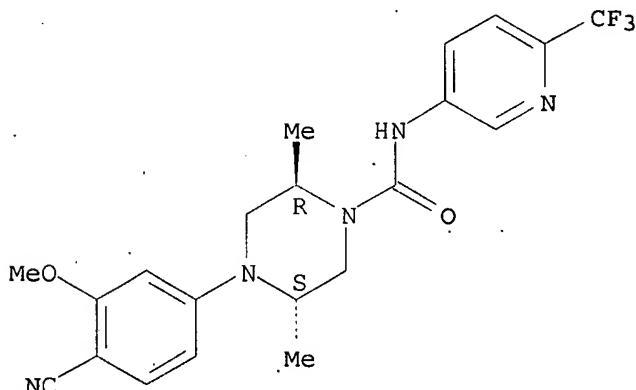


10/513699

RN 648422-94-0 CAPLUS

CN 1-Piperazinecarboxamide, 4-(4-cyano-3-methoxyphenyl)-2,5-dimethyl-N-[6-(trifluoromethyl)-3-pyridinyl]-, (2R,5S)- (9CI) (CA INDEX NAME)

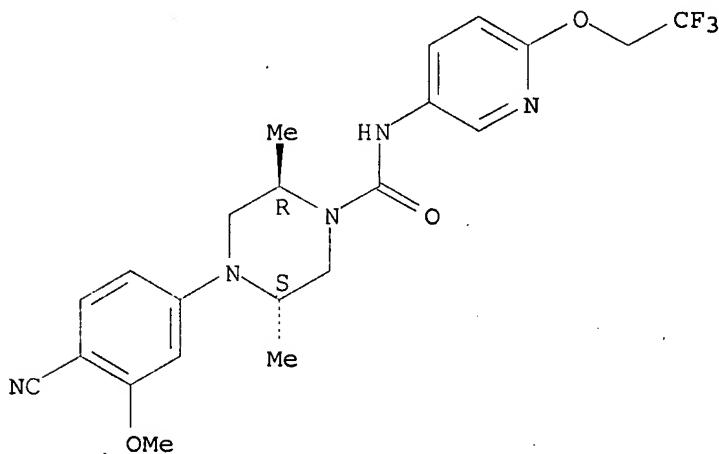
Absolute stereochemistry.



RN 648422-95-1 CAPLUS

CN 1-Piperazinecarboxamide, 4-(4-cyano-3-methoxyphenyl)-2,5-dimethyl-N-[6-(2,2,2-trifluoroethoxy)-3-pyridinyl]-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

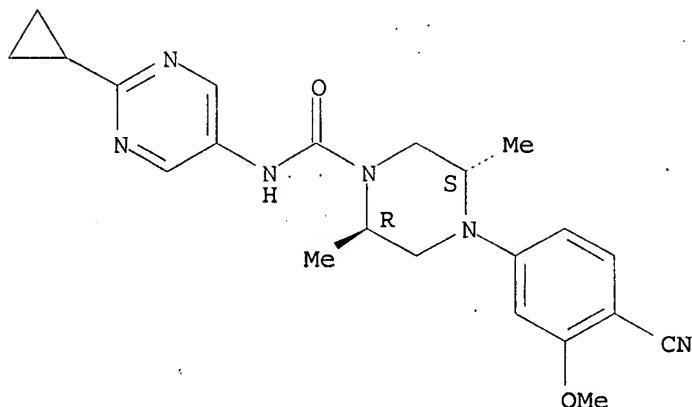


RN 648422-96-2 CAPLUS

CN 1-Piperazinecarboxamide, 4-(4-cyano-3-methoxyphenyl)-N-(2-cyclopropyl-5-pyrimidinyl)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

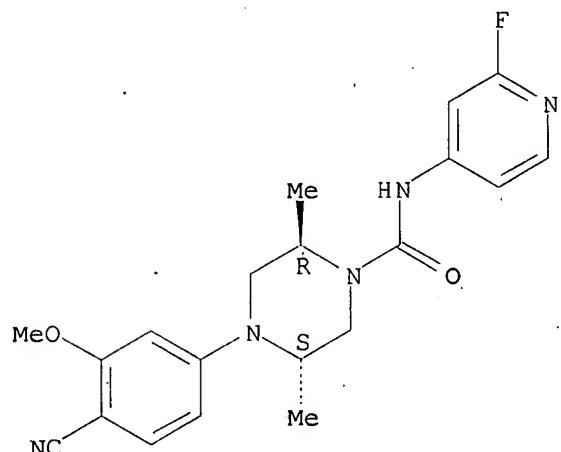
10/513699



RN 648422-97-3 CAPLUS

CN 1-Piperazinecarboxamide, 4-(4-cyano-3-methoxyphenyl)-N-(2-fluoro-4-pyridinyl)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

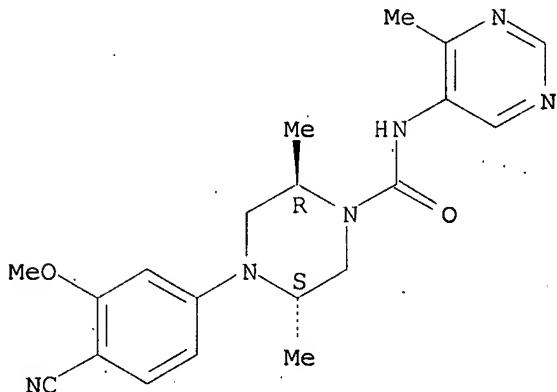


RN 648422-98-4 CAPLUS

CN 1-Piperazinecarboxamide, 4-(4-cyano-3-methoxyphenyl)-2,5-dimethyl-N-(4-methyl-5-pyrimidinyl)-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

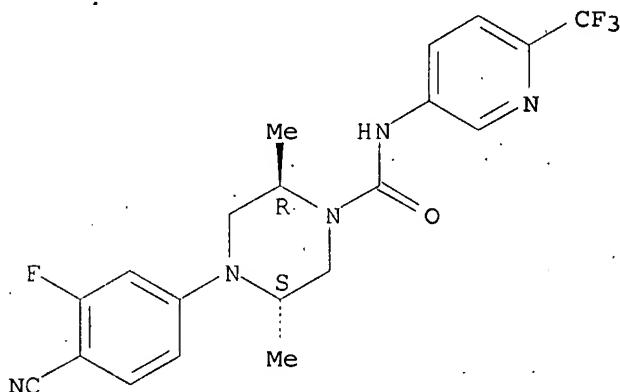
10/513699



RN 648422-99-5 CAPLUS

CN 1-Piperazinecarboxamide, 4-(4-cyano-3-fluorophenyl)-2,5-dimethyl-N-[6-(trifluoromethyl)-3-pyridinyl]-, (2R,5S) - (9CI) (CA INDEX NAME)

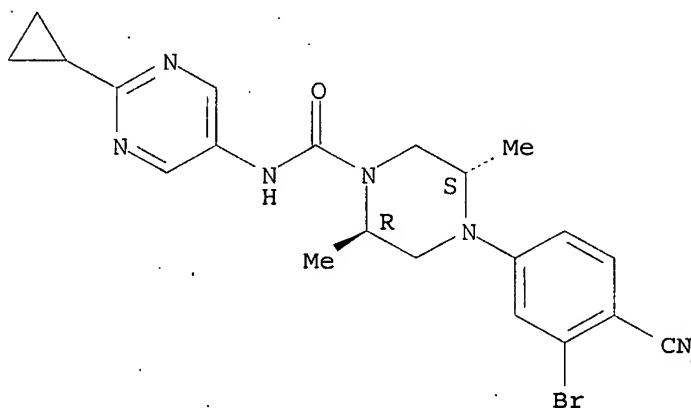
Absolute stereochemistry.



RN 648423-00-1 CAPLUS

CN 1-Piperazinecarboxamide, 4-(3-bromo-4-cyanophenyl)-N-(2-cyclopropyl-5-pyrimidinyl)-2,5-dimethyl-, (2R,5S) - (9CI) (CA INDEX NAME)

Absolute stereochemistry.

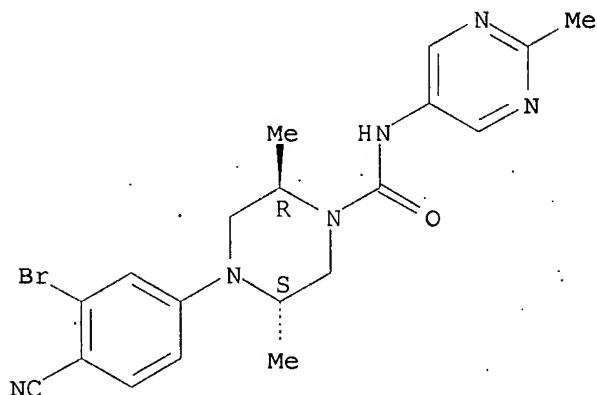


10/513699

RN 648423-01-2 CAPLUS

CN 1-Piperazinecarboxamide, 4-(3-bromo-4-cyanophenyl)-2,5-dimethyl-N-(2-methyl-5-pyrimidinyl)-, (2R,5S)- (9CI) (CA INDEX NAME)

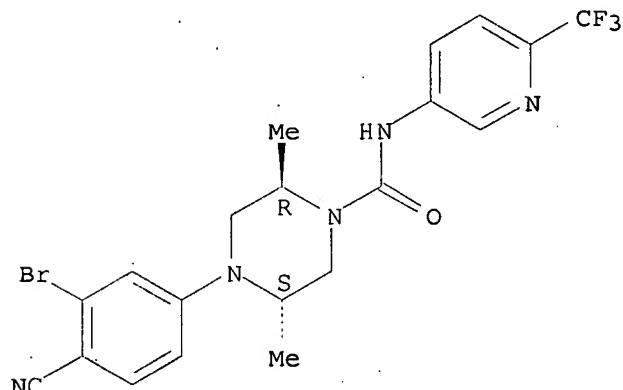
Absolute stereochemistry.



RN 648423-02-3 CAPLUS

CN 1-Piperazinecarboxamide, 4-(3-bromo-4-cyanophenyl)-2,5-dimethyl-N-[6-(trifluoromethyl)-3-pyridinyl]-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

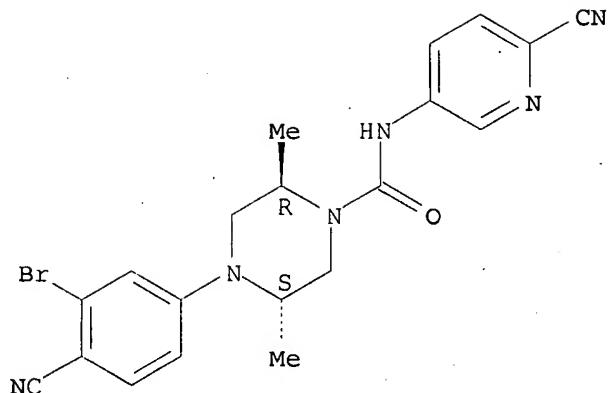


RN 648423-03-4 CAPLUS

CN 1-Piperazinecarboxamide, 4-(3-bromo-4-cyanophenyl)-N-(6-cyano-3-pyridinyl)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

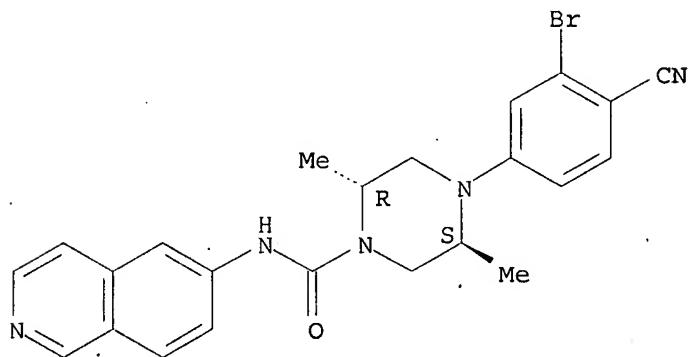
10/513699



RN 648423-05-6 CAPLUS

CN 1-Piperazinecarboxamide, 4-(3-bromo-4-cyanophenyl)-N-6-isquinolinyl-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

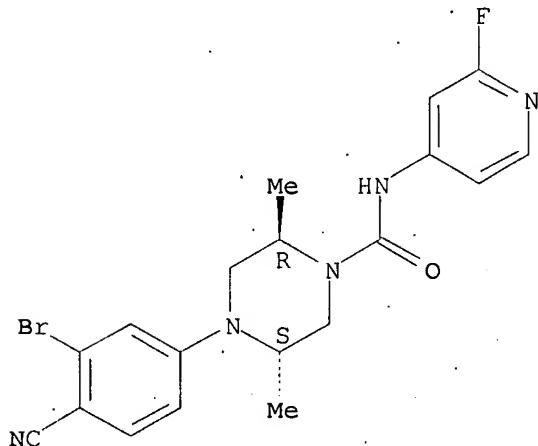
Absolute stereochemistry.



RN 648423-06-7 CAPLUS

CN 1-Piperazinecarboxamide, 4-(3-bromo-4-cyanophenyl)-N-(2-fluoro-4-pyridinyl)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

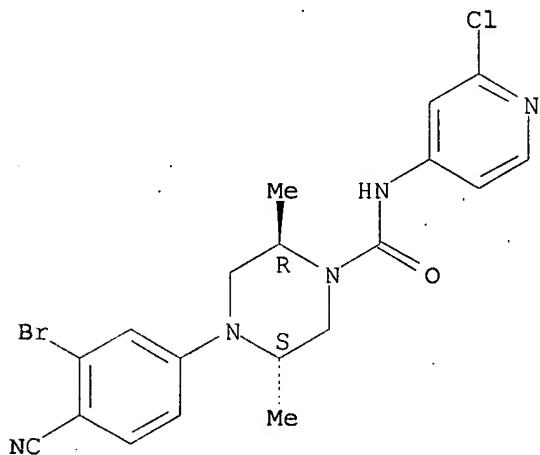


10/513699

RN 648423-08-9 CAPLUS

CN 1-Piperazinecarboxamide, 4-(3-bromo-4-cyanophenyl)-N-(2-chloro-4-pyridinyl)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

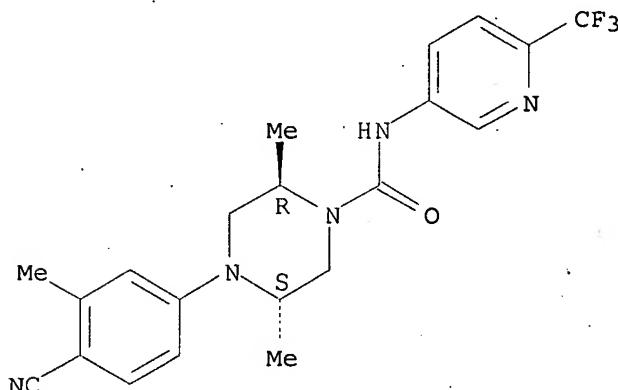
Absolute stereochemistry.



RN 648423-10-3 CAPLUS

CN 1-Piperazinecarboxamide, 4-(4-cyano-3-methylphenyl)-2,5-dimethyl-N-[6-(trifluoromethyl)-3-pyridinyl]-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

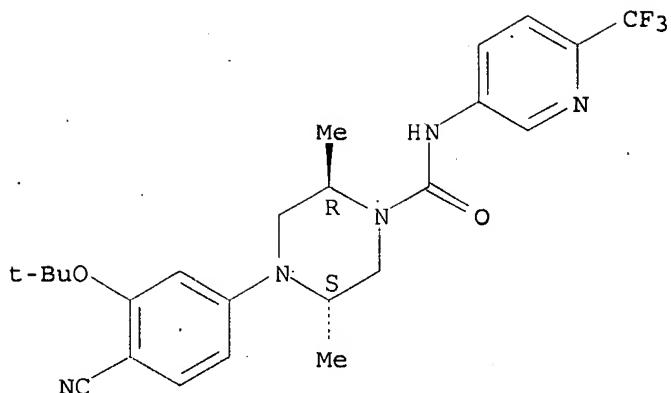


RN 648423-11-4 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(1,1-dimethylethoxy)phenyl]-2,5-dimethyl-N-[6-(trifluoromethyl)-3-pyridinyl]-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

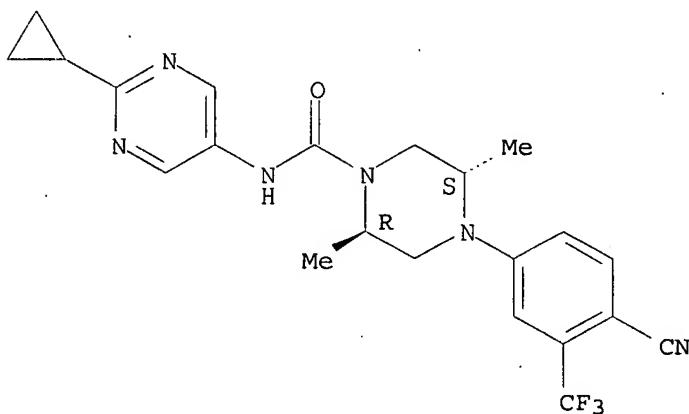
10/513699



RN 648423-12-5 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(2-cyclopropyl-5-pyrimidinyl)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

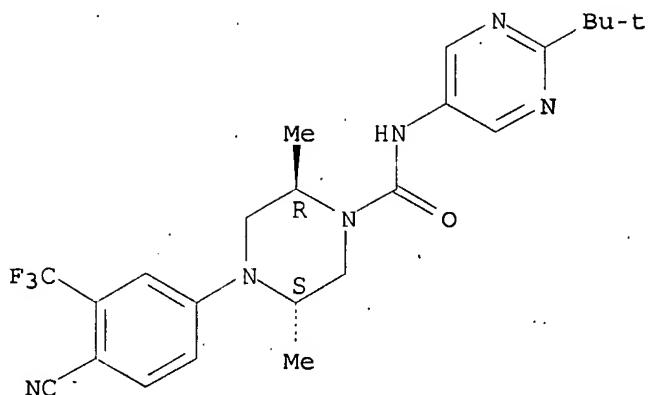


RN 648423-13-6 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-[2-(1,1-dimethylethyl)-5-pyrimidinyl]-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

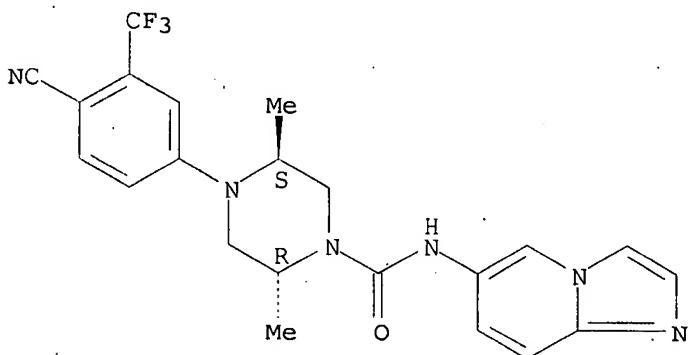
10/513699



RN 648423-14-7 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-imidazo[1,2-a]pyridin-6-yl-2,5-dimethyl-, monohydrochloride, (2R,5S)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



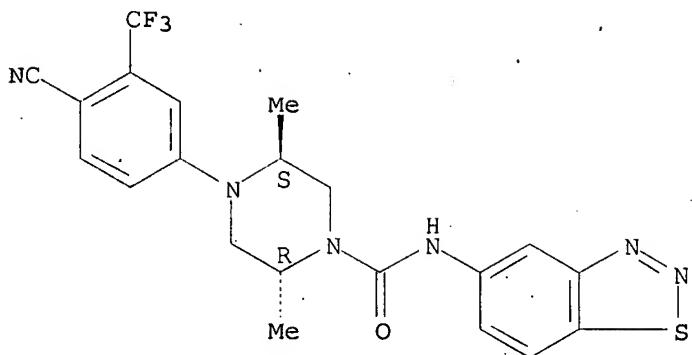
● HCl

RN 648423-15-8 CAPLUS

CN 1-Piperazinecarboxamide, N-1,2,3-benzothiadiazol-5-yl-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

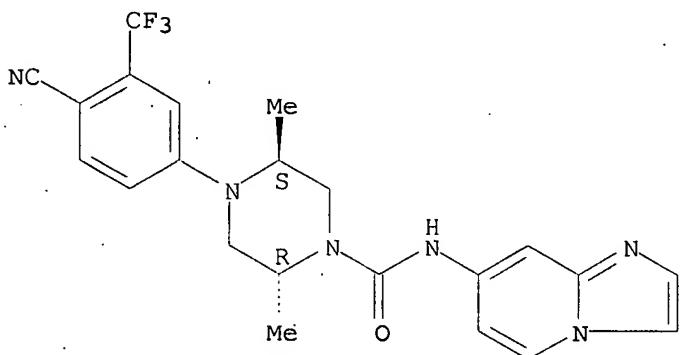
10/513699



RN 648423-16-9 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-imidazo[1,2-a]pyridin-7-yl-2,5-dimethyl-, monohydrochloride, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



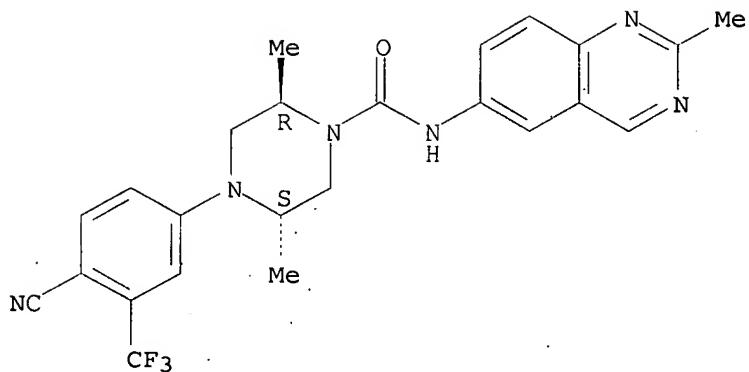
● HCl

RN 648423-17-0 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-(2-methyl-6-quinazolinyl)-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

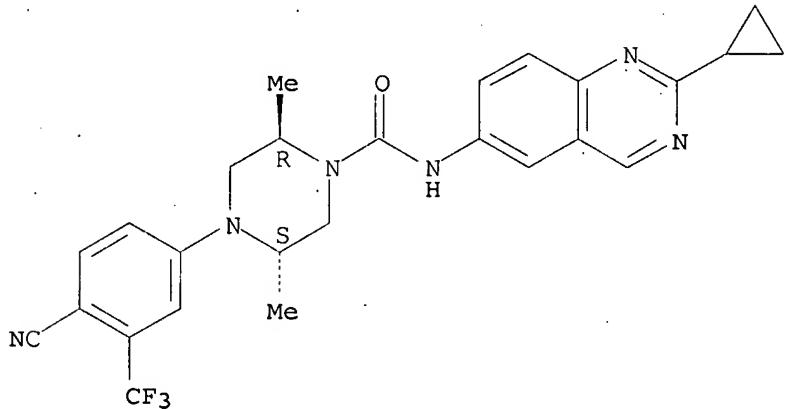
10/513699



RN 648423-18-1 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(2-cyclopropyl-6-quinazolinyl)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

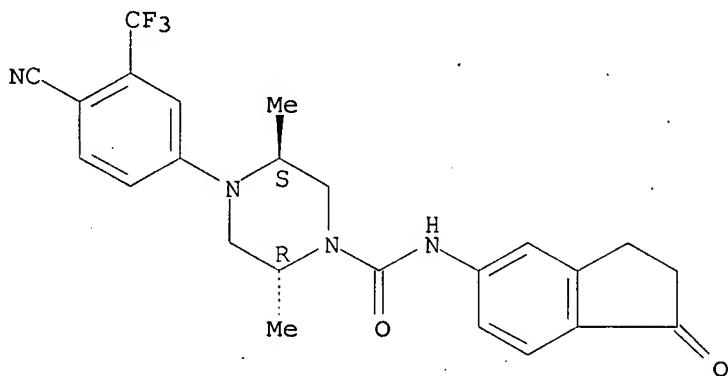
Absolute stereochemistry.



RN 648423-19-2 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(2,3-dihydro-1-oxo-1H-inden-5-yl)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

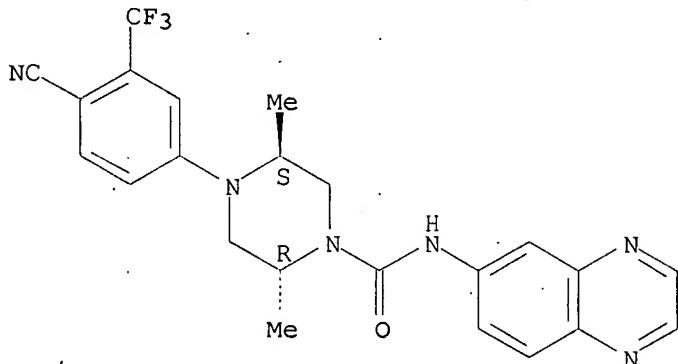


10/513699

RN 648423-20-5 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-6-quinoxalinyl-, (2R,5S)- (9CI) (CA INDEX NAME)

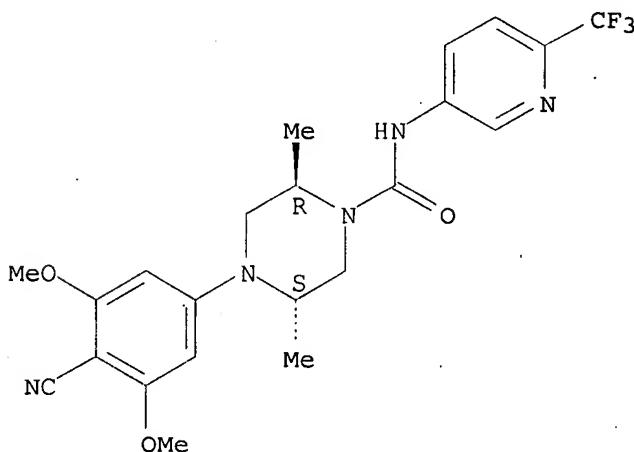
Absolute stereochemistry.



RN 648423-21-6 CAPLUS

CN 1-Piperazinecarboxamide, 4-(4-cyano-3,5-dimethoxyphenyl)-2,5-dimethyl-N-[6-(trifluoromethyl)-3-pyridinyl]-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

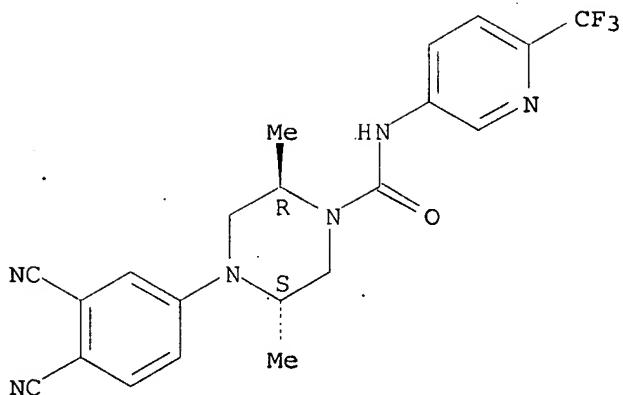


RN 648423-22-7 CAPLUS

CN 1-Piperazinecarboxamide, 4-(3,4-dicyanophenyl)-2,5-dimethyl-N-[6-(trifluoromethyl)-3-pyridinyl]-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

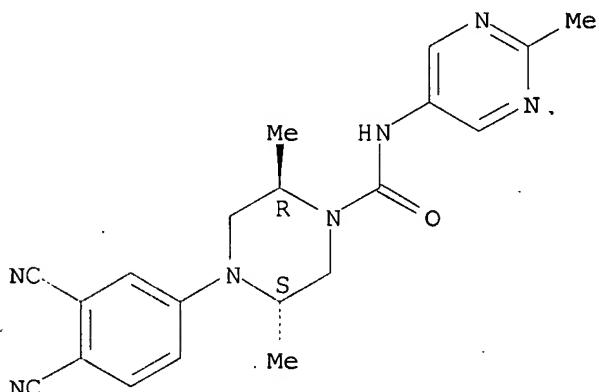
10/513699



RN 648423-23-8 CAPLUS

CN 1-Piperazinecarboxamide, 4-(3,4-dicyanophenyl)-2,5-dimethyl-N-(2-methyl-5-pyrimidinyl)-, (2R,5S)- (9CI) (CA INDEX NAME)

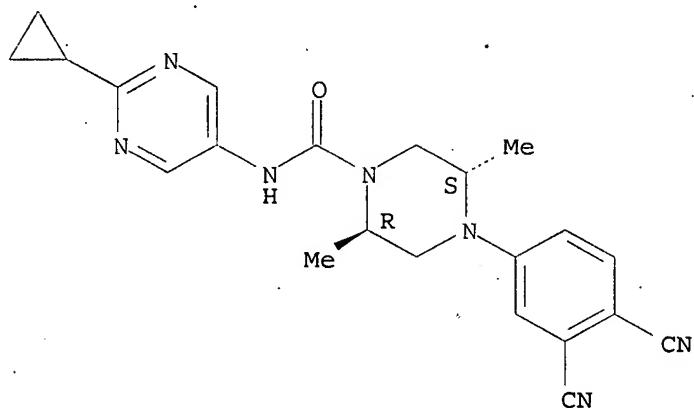
Absolute stereochemistry.



RN 648423-24-9 CAPLUS

CN 1-Piperazinecarboxamide, N-(2-cyclopropyl-5-pyrimidinyl)-4-(3,4-dicyanophenyl)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

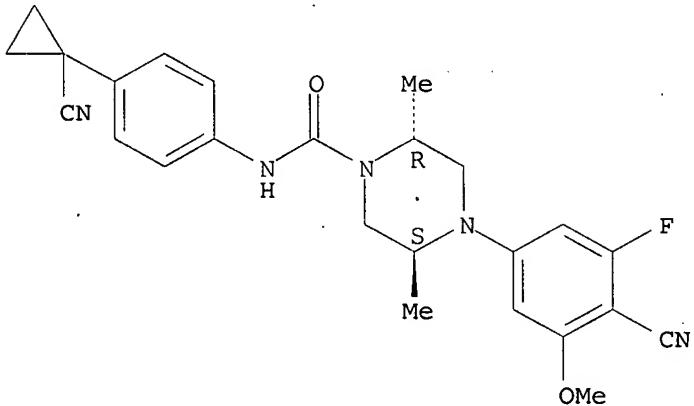


10/513699

RN 648423-25-0 CAPLUS

CN 1-Piperazinecarboxamide, N-[4-(1-cyanocyclopropyl)phenyl]-4-(4-cyano-3-fluoro-5-methoxyphenyl)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

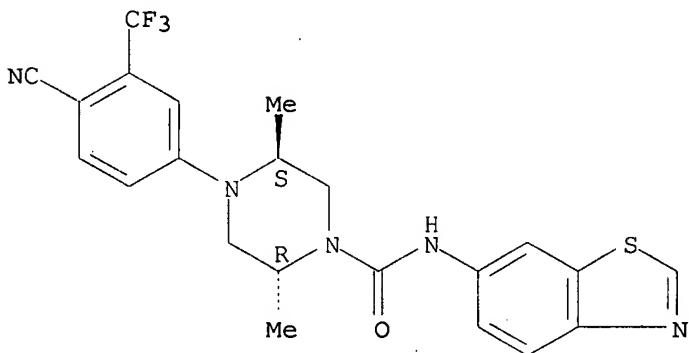
Absolute stereochemistry.



RN 648423-26-1 CAPLUS

CN 1-Piperazinecarboxamide, N-6-benzothiazolyl-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

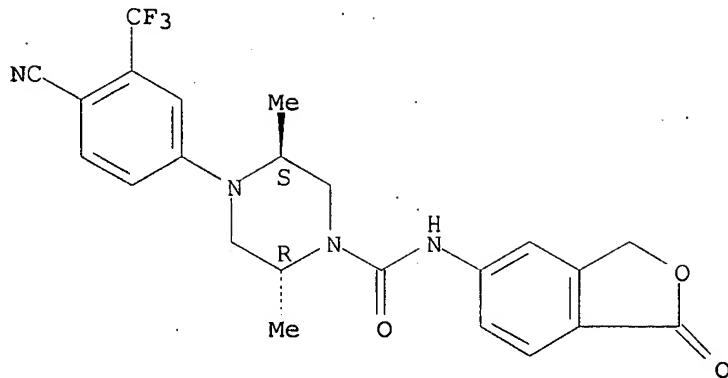


RN 648423-27-2 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(1,3-dihydro-1-oxo-5-isobenzofuranyl)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

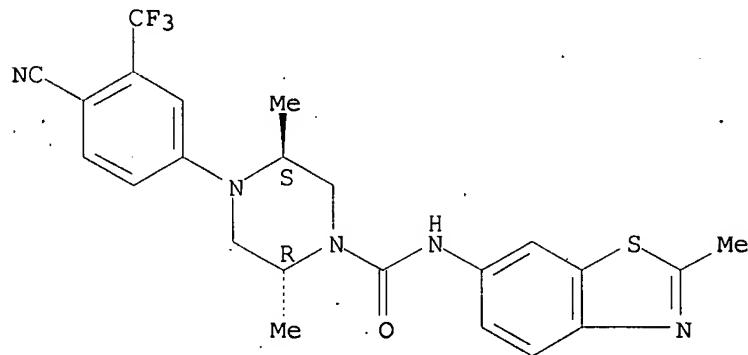
10/513699



RN 648423-28-3 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-(2-methyl-6-benzothiazolyl)-, (2R,5S)- (9CI) (CA INDEX NAME)

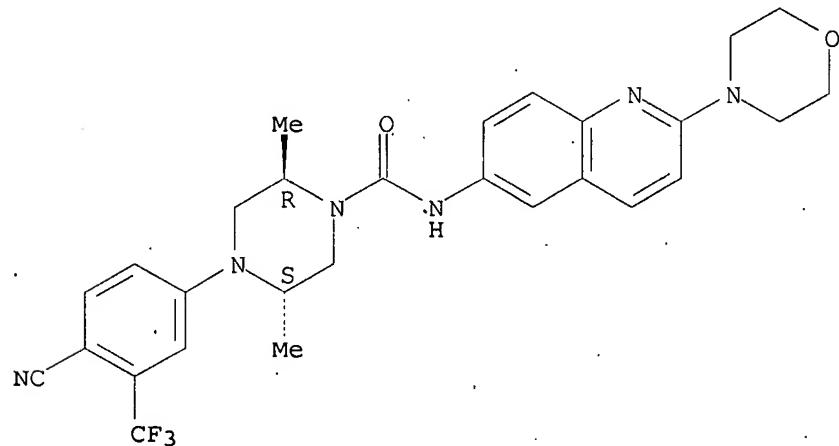
Absolute stereochemistry.



RN 648423-29-4 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-[2-(4-morpholinyl)-6-quinolinyl]-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

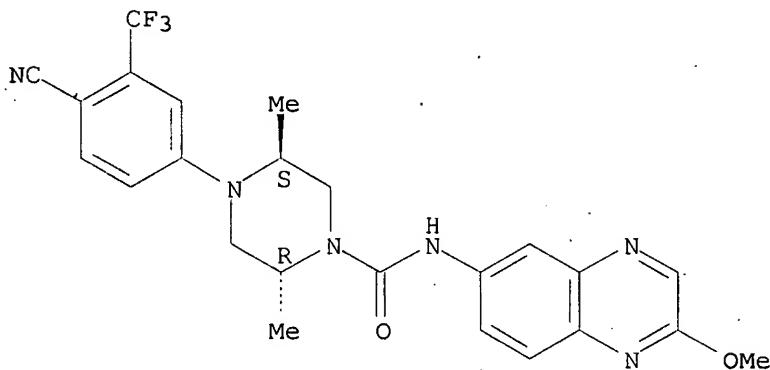


10/513699

RN 648423-30-7 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(2-methoxy-6-quinoxaliny)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

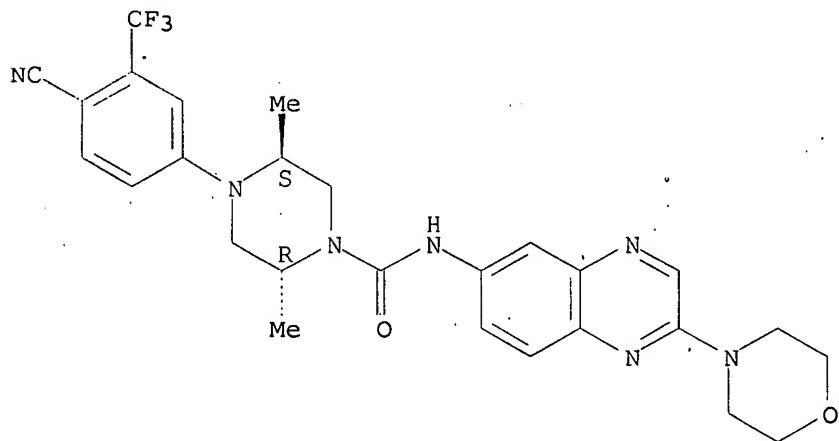
Absolute stereochemistry.



RN 648423-31-8 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-[2-(4-morpholinyl)-6-quinoxaliny]-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

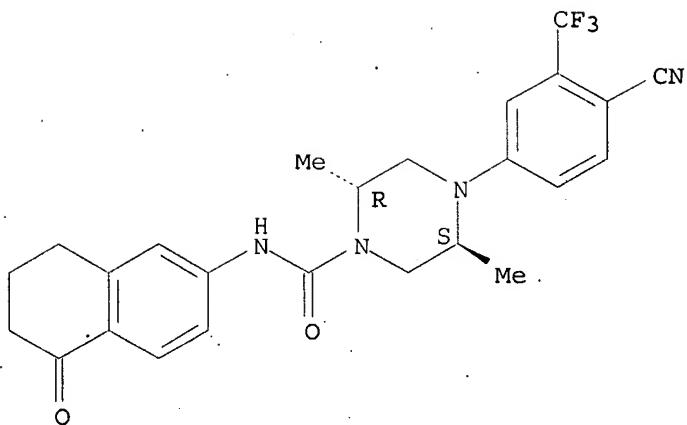


RN 648423-32-9 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-(5,6,7,8-tetrahydro-5-oxo-2-naphthalenyl)-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

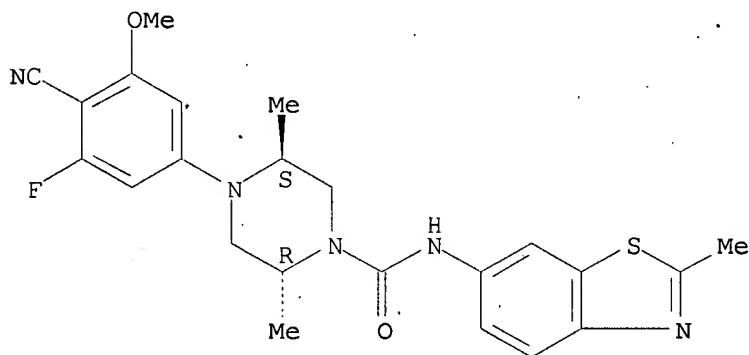
10/513699



RN 648423-33-0 CAPLUS

CN 1-Piperazinecarboxamide, 4-(4-cyano-3-fluoro-5-methoxyphenyl)-2,5-dimethyl-N-(2-methyl-6-benzothiazolyl)-, (2R,5S)- (9CI) (CA INDEX NAME)

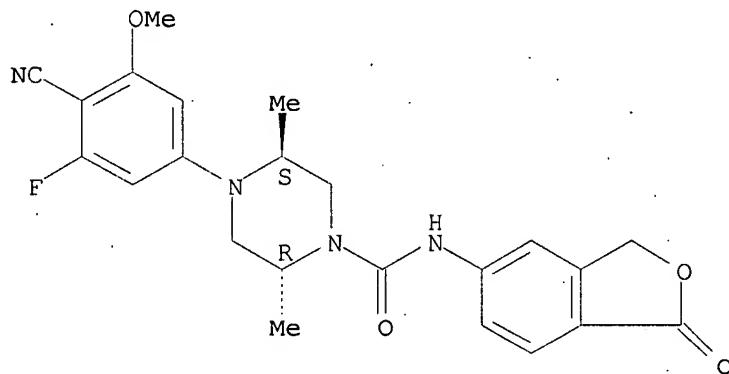
Absolute stereochemistry.



RN 648423-34-1 CAPLUS

CN 1-Piperazinecarboxamide, 4-(4-cyano-3-fluoro-5-methoxyphenyl)-N-(1,3-dihydro-1-oxo-5-isobenzofuranyl)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

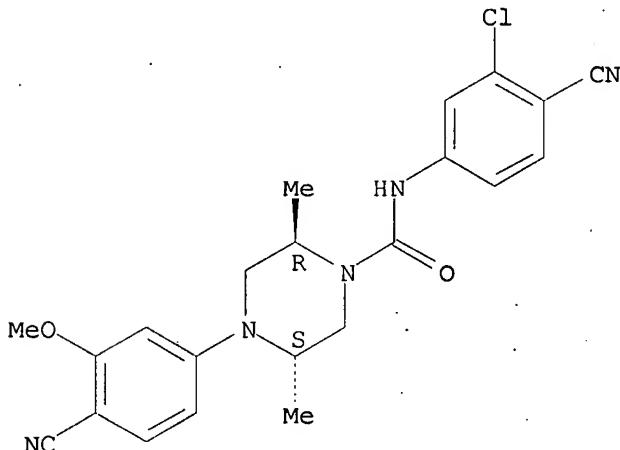


10/513699

RN 648423-35-2 CAPLUS

CN 1-Piperazinecarboxamide, N-(3-chloro-4-cyanophenyl)-4-(4-cyano-3-methoxyphenyl)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

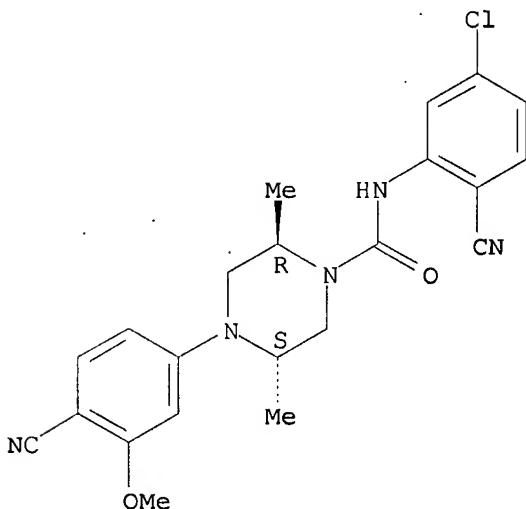
Absolute stereochemistry.



RN 648423-36-3 CAPLUS

CN 1-Piperazinecarboxamide, N-(5-chloro-2-cyanophenyl)-4-(4-cyano-3-methoxyphenyl)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

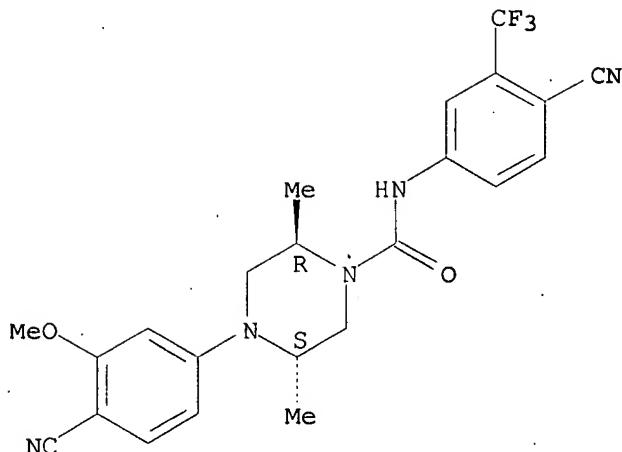


RN 648423-37-4 CAPLUS

CN 1-Piperazinecarboxamide, 4-(4-cyano-3-methoxyphenyl)-N-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

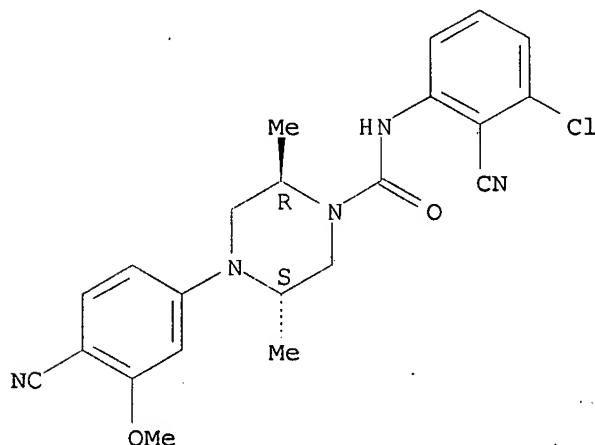
10/513699



RN 648423-38-5 CAPLUS

CN 1-Piperazinecarboxamide, N-(3-chloro-2-cyanophenyl)-4-(4-cyano-3-methoxyphenyl)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

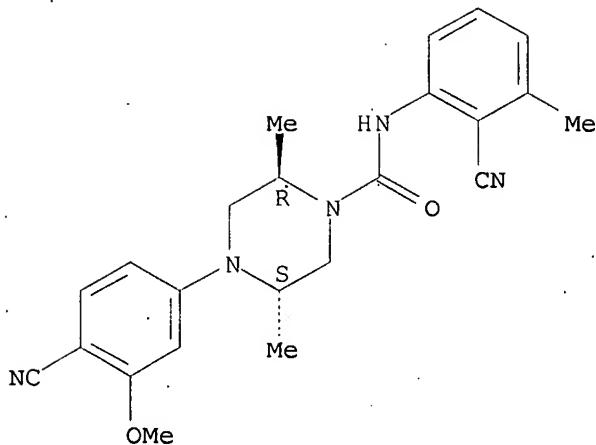


RN 648423-39-6 CAPLUS

CN 1-Piperazinecarboxamide, 4-(4-cyano-3-methoxyphenyl)-N-(2-cyano-3-methylphenyl)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

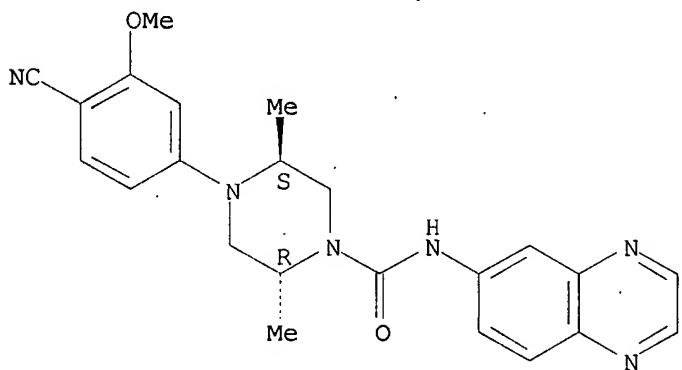
10/513699



RN 648423-40-9 CAPLUS

CN 1-Piperazinecarboxamide, 4-(4-cyano-3-methoxyphenyl)-2,5-dimethyl-N-6-quinoxalinyl-, (2R,5S)- (9CI) (CA INDEX NAME)

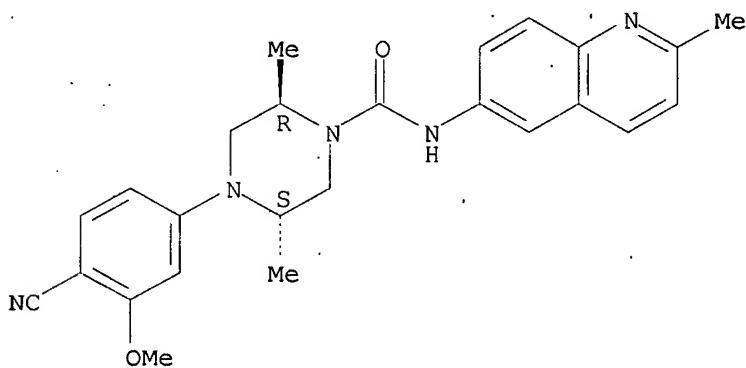
Absolute stereochemistry.



RN 648423-41-0 CAPLUS

CN 1-Piperazinecarboxamide, 4-(4-cyano-3-methoxyphenyl)-2,5-dimethyl-N-(2-methyl-6-quinolinyl)-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

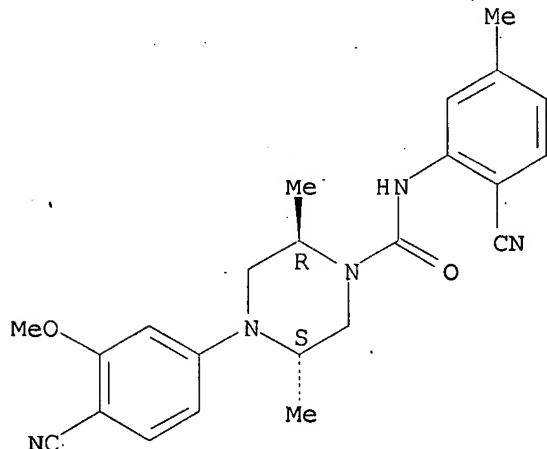


10/513699

RN 648423-42-1 CAPLUS

CN 1-Piperazinecarboxamide, 4-(4-cyano-3-methoxyphenyl)-N-(2-cyano-5-methylphenyl)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

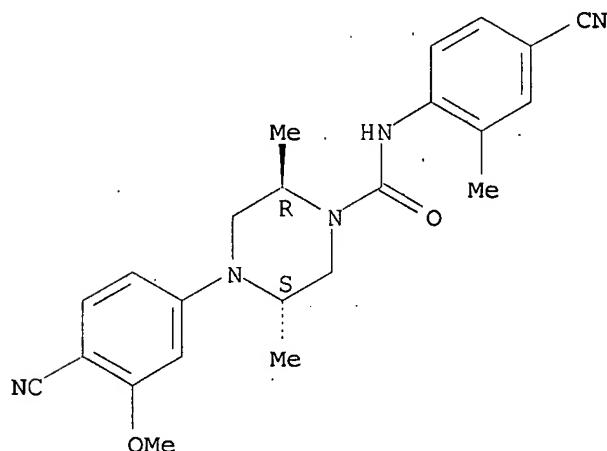
Absolute stereochemistry.



RN 648423-43-2 CAPLUS

CN 1-Piperazinecarboxamide, 4-(4-cyano-3-methoxyphenyl)-N-(4-cyano-2-methylphenyl)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

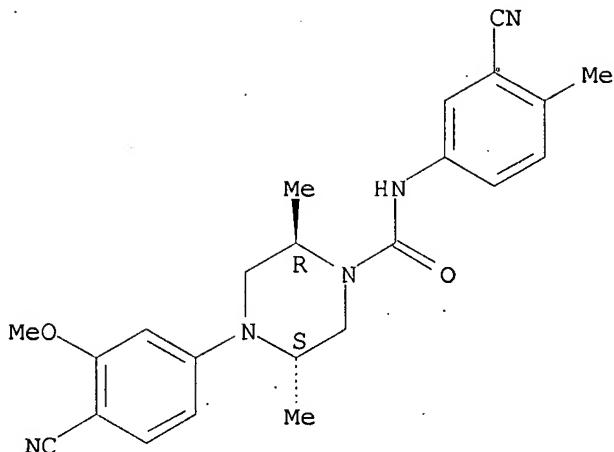


RN 648423-44-3 CAPLUS

CN 1-Piperazinecarboxamide, 4-(4-cyano-3-methoxyphenyl)-N-(3-cyano-4-methylphenyl)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

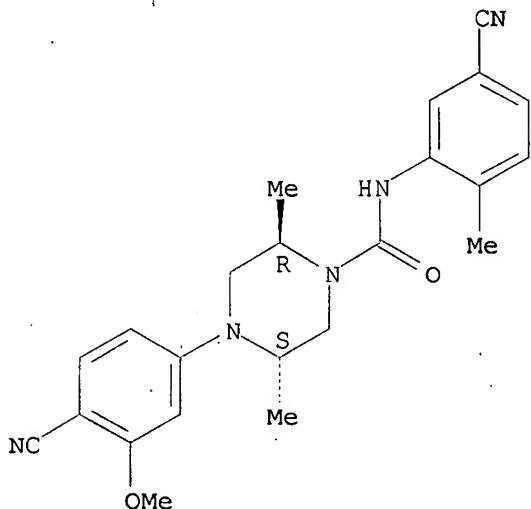
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RN 648423-45-4 CAPLUS

CN 1-Piperazinecarboxamide, 4-(4-cyano-3-methoxyphenyl)-N-(5-cyano-2-methylphenyl)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

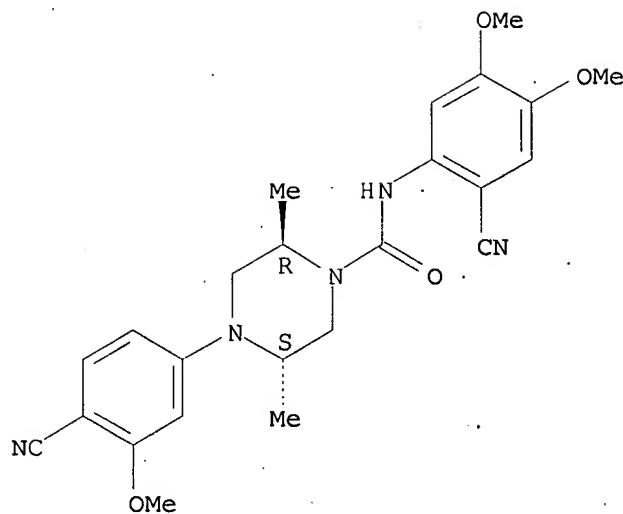


RN 648423-46-5 CAPLUS

CN 1-Piperazinecarboxamide, N-(2-cyano-4,5-dimethoxyphenyl)-4-(4-cyano-3-methoxyphenyl)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

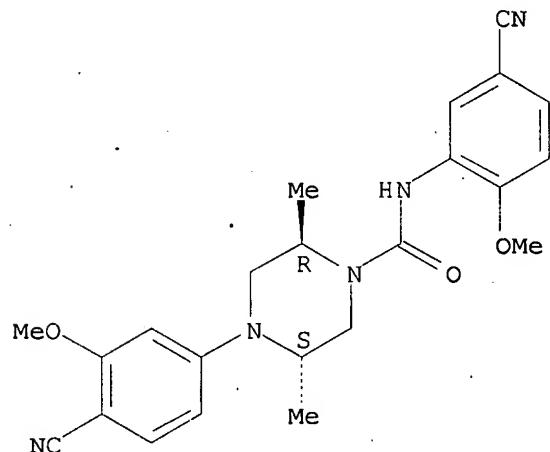
10/513699



RN 648423-47-6 CAPLUS

CN 1-Piperazinecarboxamide, 4-(4-cyano-3-methoxyphenyl)-N-(5-cyano-2-methoxyphenyl)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

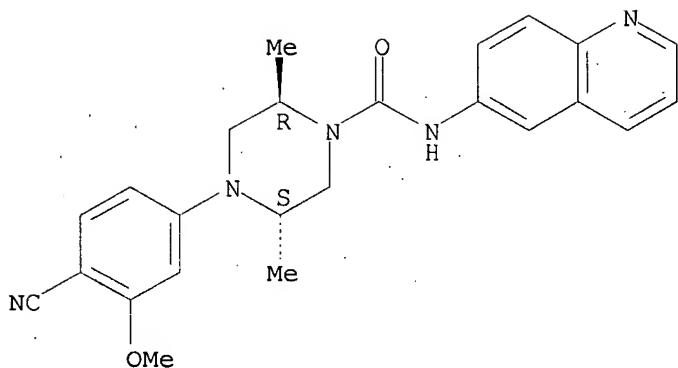


RN 648423-48-7 CAPLUS

CN 1-Piperazinecarboxamide, 4-(4-cyano-3-methoxyphenyl)-2,5-dimethyl-N-6-quinolinyl-, monohydrochloride, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

10/513699

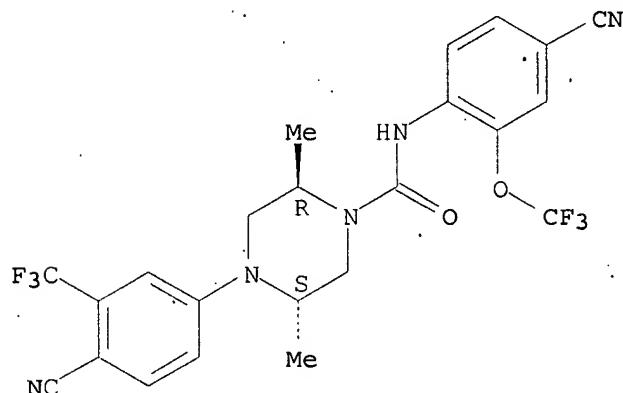


● HCl

RN 648423-49-8 CAPLUS

CN 1-Piperazinecarboxamide, N-[4-cyano-2-(trifluoromethoxy)phenyl]-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

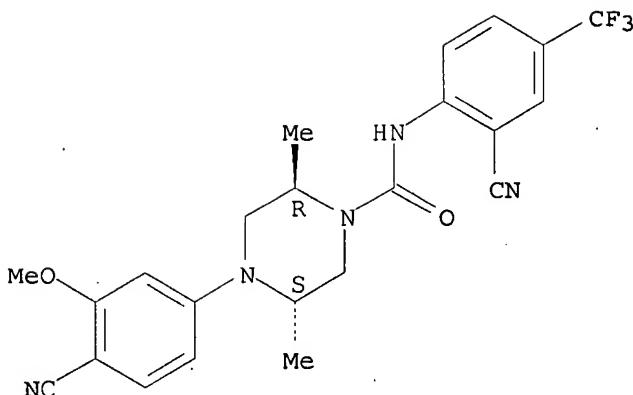


RN 648423-50-1 CAPLUS

CN 1-Piperazinecarboxamide, 4-(4-cyano-3-methoxyphenyl)-N-[2-cyano-4-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

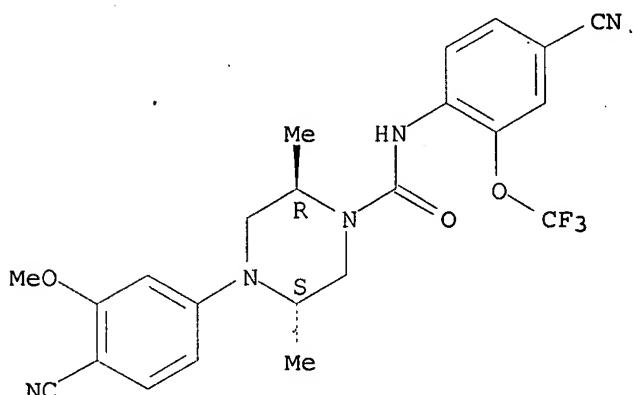
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RN 648423-51-2 CAPLUS

CN 1-Piperazinecarboxamide, 4-(4-cyano-3-methoxyphenyl)-N-[4-cyano-2-(trifluoromethoxy)phenyl]-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2001:857479 CAPLUS

DOCUMENT NUMBER: 136:600

TITLE: Pharmaceuticals containing antiandrogen cyanophenyl compounds

INVENTOR(S): Taniguchi, Nobuaki; Kinoyama, Isao; Kamikubo, Takashi; Toshima, Hiroshi; Samizu, Kiyohiro; Kawanami, Eiji; Imamura, Masakazu; Moritomo, Hiroyuki; Matsuhisa, Akira; Hirano, Hiroaki; Miyasaki, Yoji; Nozawa, Shigenori; Okada, Minoru; Koutoku, Hiroshi; Ota, Mitsuaki

PATENT ASSIGNEE(S): Yamanouchi Pharmaceutical Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 33 pp.

CODEN: JKXXAF

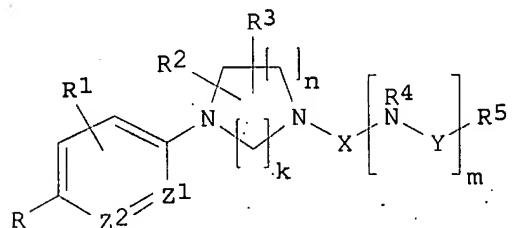
DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001328938	A	20011127	JP 2001-69833	20010313
PRIORITY APPLN. INFO.:			JP 2000-75008	A 20000317
OTHER SOURCE(S):	MARPAT	136:600		
GI				



AB Pharmaceuticals, useful for treatment of prostatic cancer, prostatic hypertrophy, virilism, etc., contain cyanophenyl compds. I [R = cyano, NO<sub>2</sub>; R<sub>1</sub> = H, halo, cyano, haloalkyl, NO<sub>2</sub>, etc.; R<sub>2</sub>-R<sub>4</sub> = H, lower alkyl, (alkyl)carbamoyl, etc.; R<sub>5</sub> = lower alkyl, arylalkoxy, CO<sub>2</sub>H, lower alkoxy carbonyl, etc.; X = CO, C(S), SO<sub>2</sub>; Y = bond, lower alkylene, CO, SO<sub>2</sub>; Z<sub>1</sub>, Z<sub>2</sub> = CH, N; k, n = 1-3; m = 0, 1] or their salts. (2R,5S)-I (R = cyano, R<sub>1</sub> = 3-CF<sub>3</sub>, R<sub>2</sub> = 2-Me, R<sub>3</sub> = 5-Me, k = 2, m = n = 1, X = CO, R<sub>4</sub> = H, R<sub>5</sub> = 2-bromo-4-pyridyl) (preparation given) in vitro bound to rat androgen receptor with K<sub>i</sub> of 7.56 nM.

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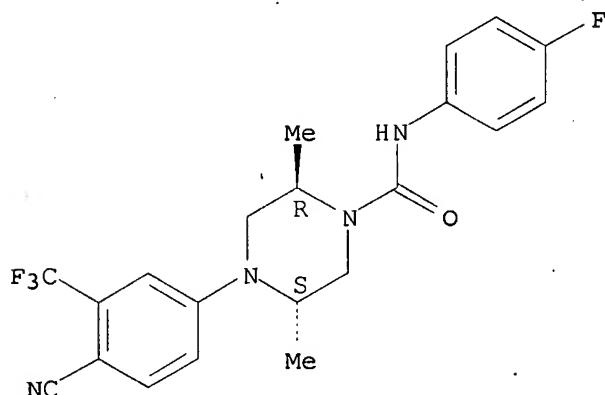
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RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of cyanophényl compds. as antiandrogens)

RN 262293-89-0 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(4-fluorophenyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

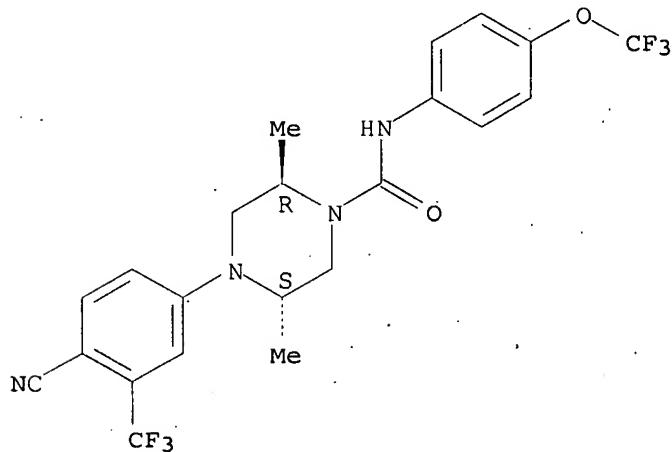
Relative stereochemistry.



RN 262293-91-4 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-[4-(trifluoromethoxy)phenyl]-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

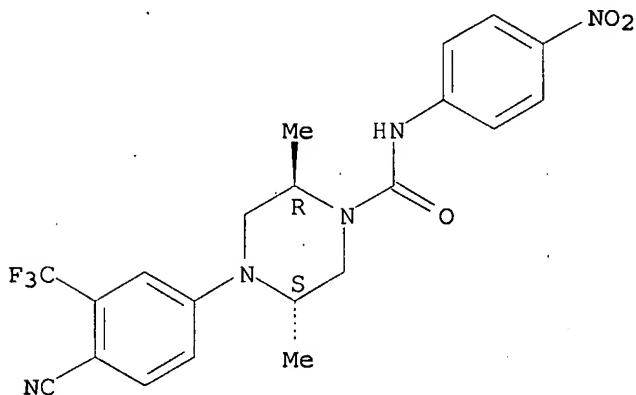


RN 262293-92-5 CAPLUS

10/513699

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-(4-nitrophenyl)-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

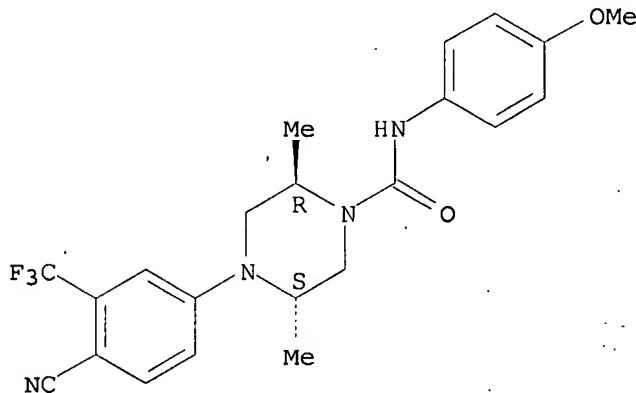
Relative stereochemistry.



RN 262293-93-6 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(4-methoxyphenyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

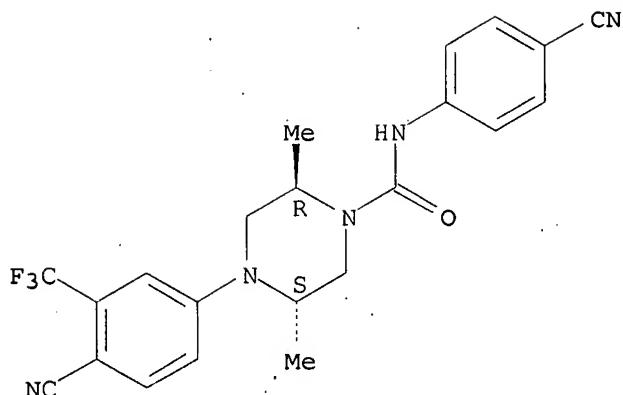


RN 262293-94-7 CAPLUS

CN 1-Piperazinecarboxamide, N-(4-cyanophenyl)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

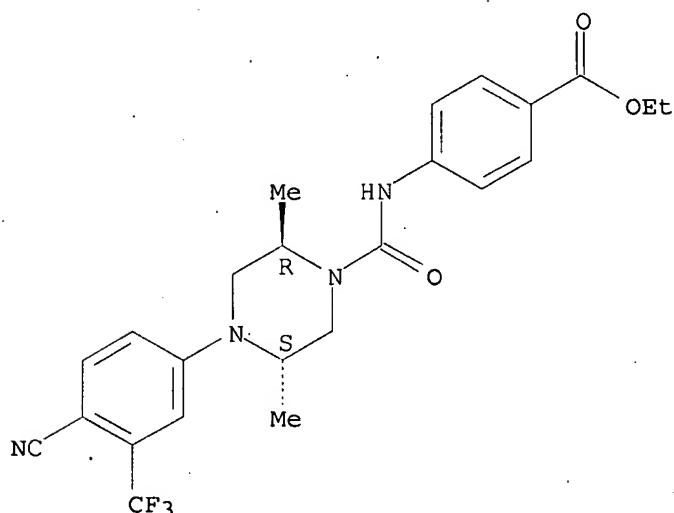
10/513699



RN 262293-95-8 CAPLUS

CN Benzoic acid, 4-[[[(2R,5S)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-1-piperazinyl]carbonyl]amino]-, ethyl ester, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

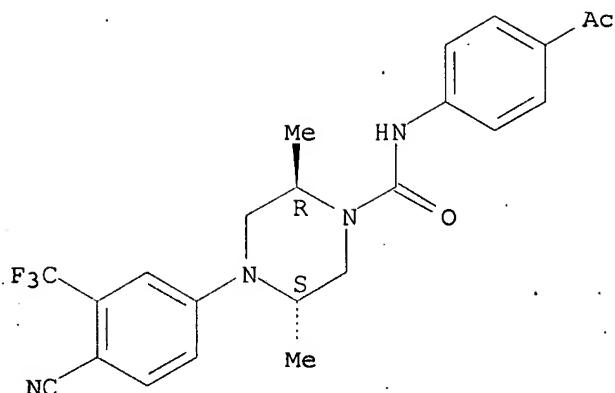


RN 262293-96-9 CAPLUS

CN 1-Piperazinecarboxamide, N-(4-acetylphenyl)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry:

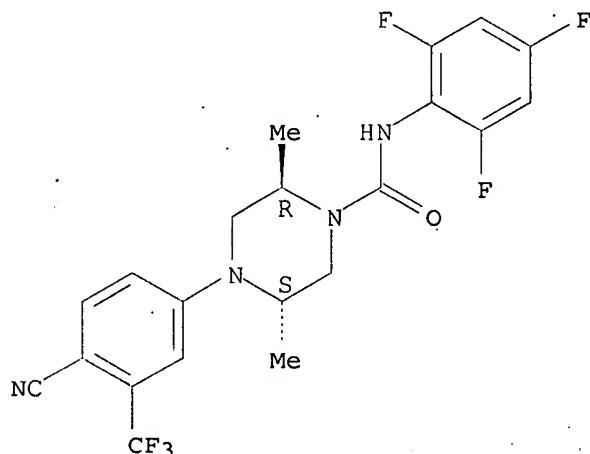
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RN 262293-97-0 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-(2,4,6-trifluorophenyl)-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

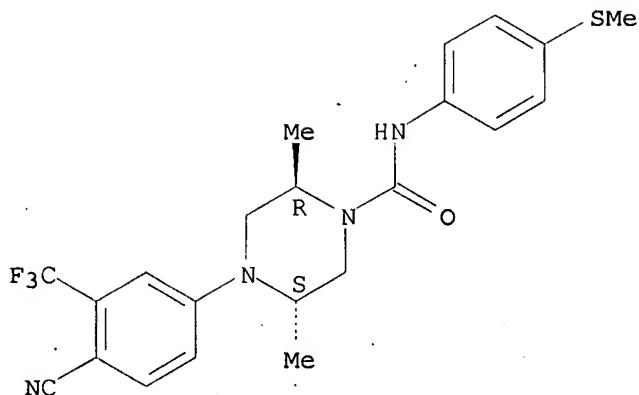


RN 262293-98-1 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-[4-(methylthio)phenyl]-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

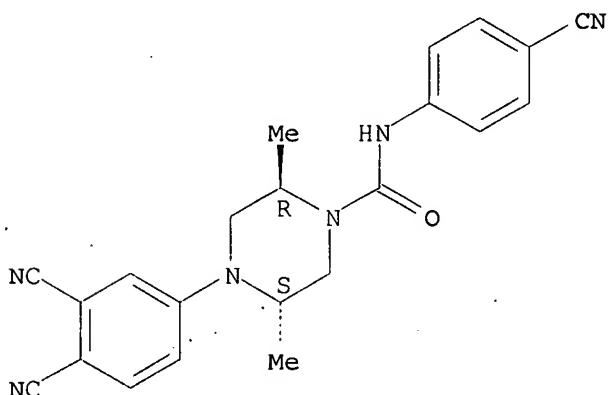
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RN 262294-02-0 CAPLUS

CN 1-Piperazinecarboxamide, N-(4-cyanophenyl)-4-(3,4-dicyanophenyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

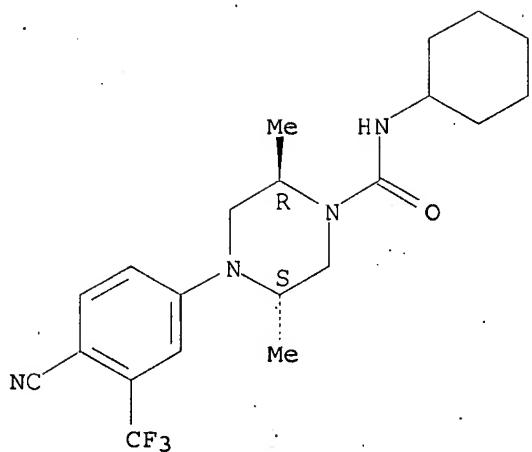


RN 262294-08-6 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-cyclohexyl-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

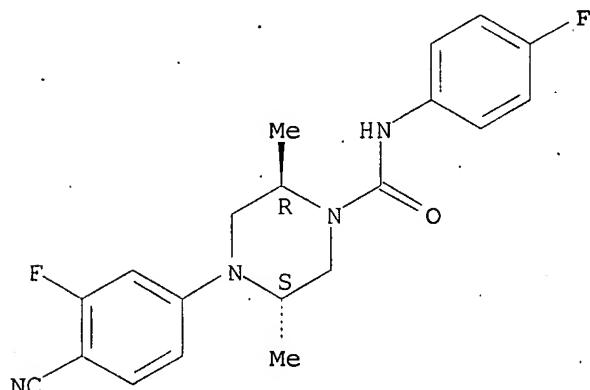
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RN 262294-12-2 CAPLUS

CN 1-Piperazinecarboxamide, 4-(4-cyano-3-fluorophenyl)-N-(4-fluorophenyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

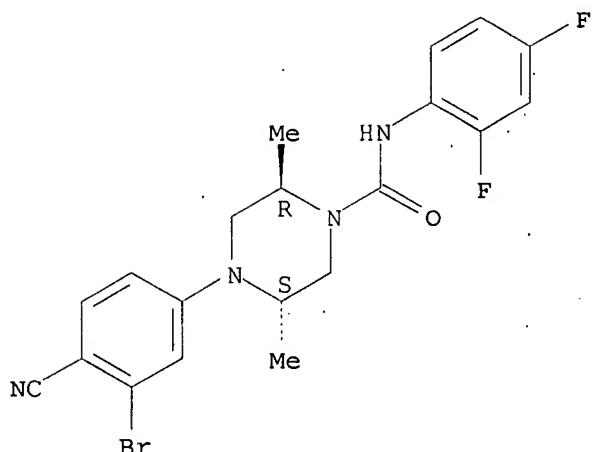


RN 262294-13-3 CAPLUS

CN 1-Piperazinecarboxamide, 4-(3-bromo-4-cyanophenyl)-N-(2,4-difluorophenyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

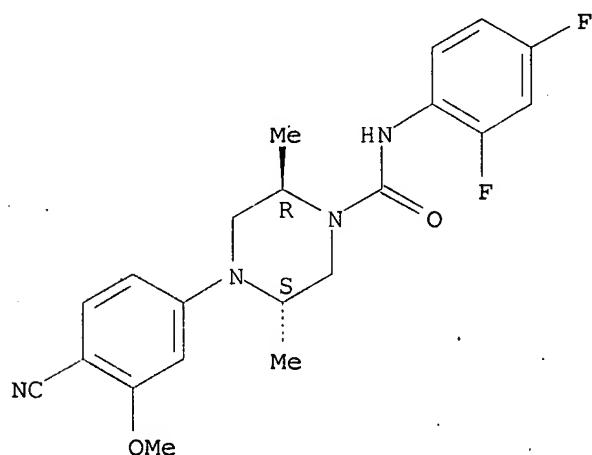
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RN 262294-14-4 CAPLUS

CN 1-Piperazinecarboxamide, 4-(4-cyano-3-methoxyphenyl)-N-(2,4-difluorophenyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

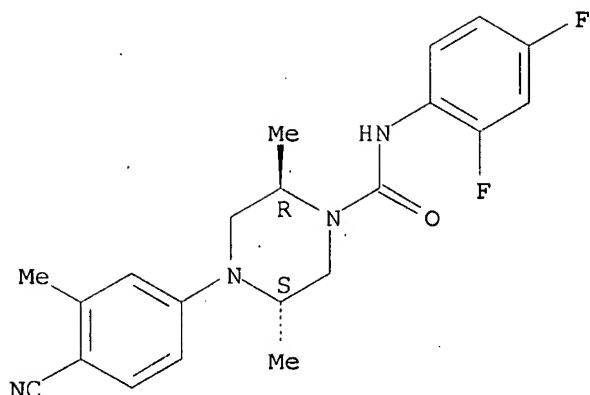


RN 262294-15-5 CAPLUS

CN 1-Piperazinecarboxamide, 4-(4-cyano-3-methoxyphenyl)-N-(2,4-difluorophenyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

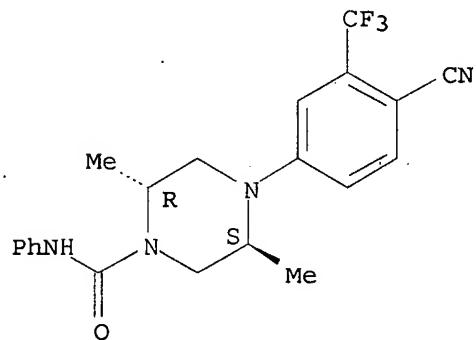
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RN 262294-21-3 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-phenyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

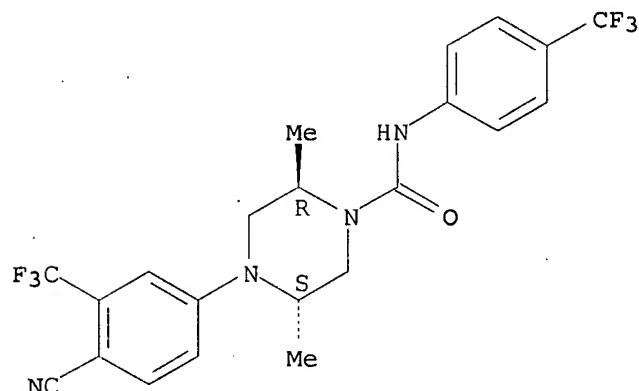
Relative stereochemistry.



RN 262294-22-4 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-[4-(trifluoromethyl)phenyl]-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

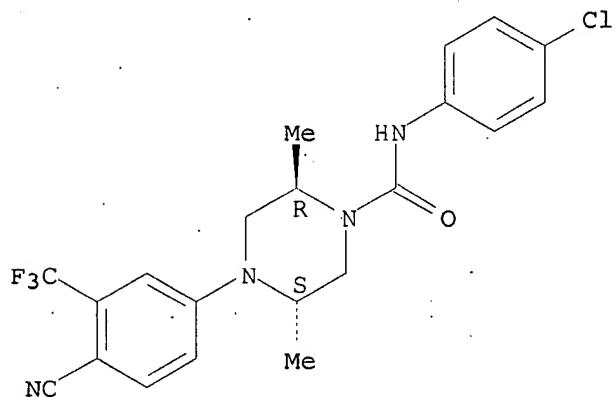


10/513699

RN 262294-23-5 CAPLUS

CN 1-Piperazinecarboxamide, N-(4-chlorophenyl)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

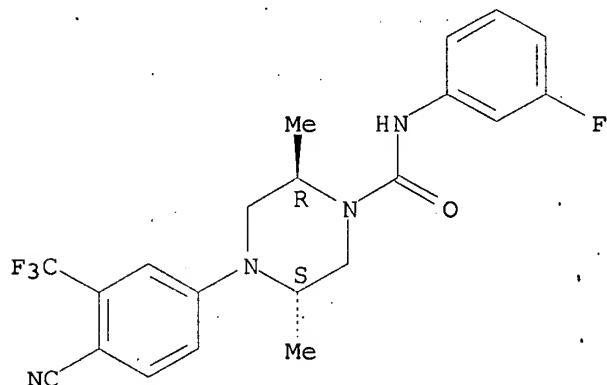
Relative stereochemistry.



RN 262294-24-6 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(3-fluorophenyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

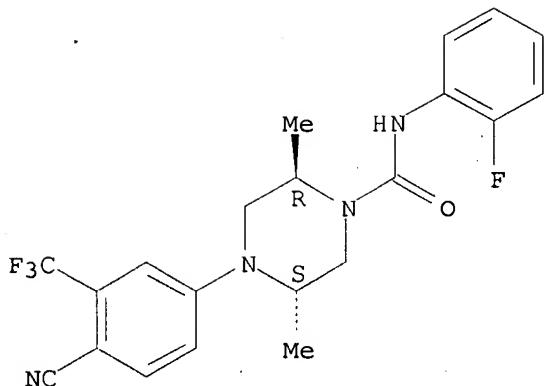


RN 262294-25-7 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(2-fluorophenyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

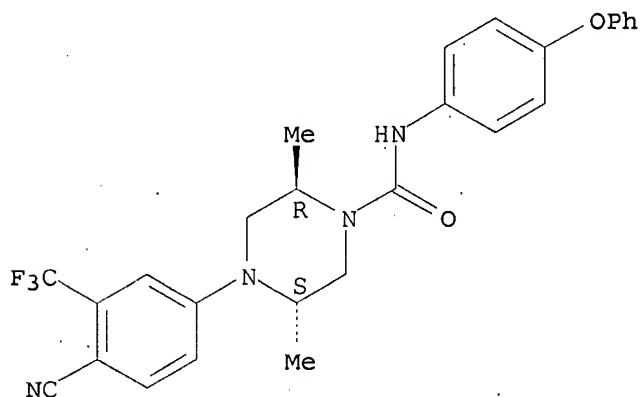
10/513699



RN 262294-27-9 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-(4-phenoxyphenyl)-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

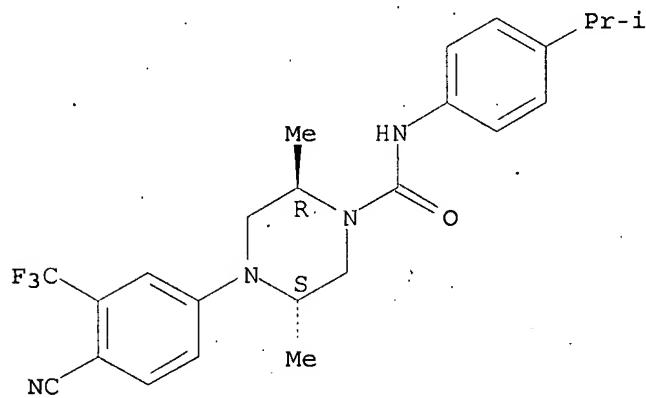
Relative stereochemistry.



RN 262294-28-0 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-[4-(1-methylethyl)phenyl]-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

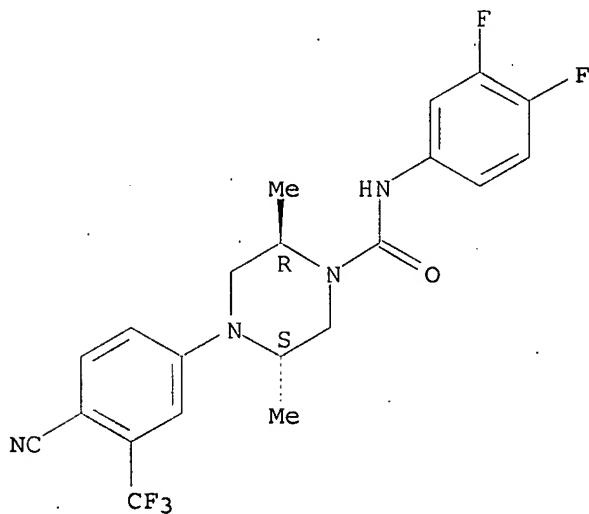


10/513699

RN 262294-29-1 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(3,4-difluorophenyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

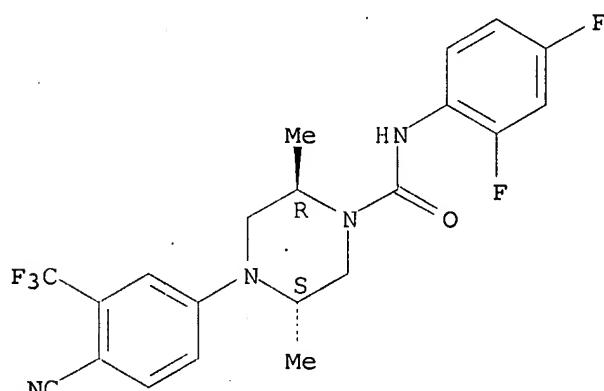
Relative stereochemistry.



RN 262294-30-4 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(2,4-difluorophenyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

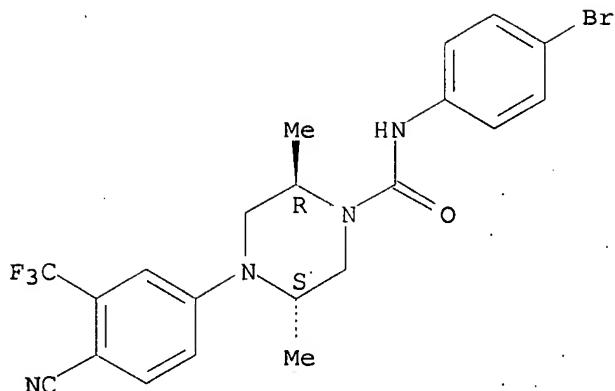


RN 262294-31-5 CAPLUS

CN 1-Piperazinecarboxamide, N-(4-bromophenyl)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

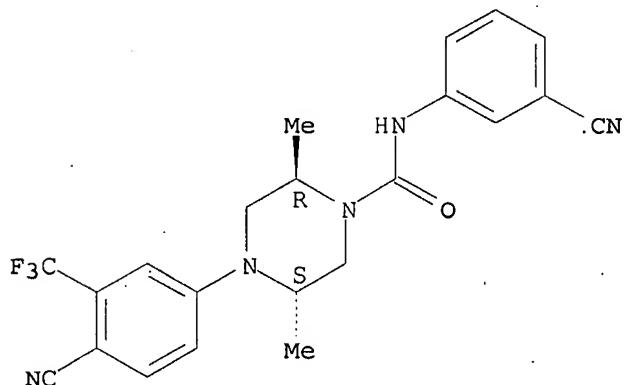
10/513699



RN 262294-32-6 CAPLUS

CN 1-Piperazinecarboxamide, N-(3-cyanophenyl)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

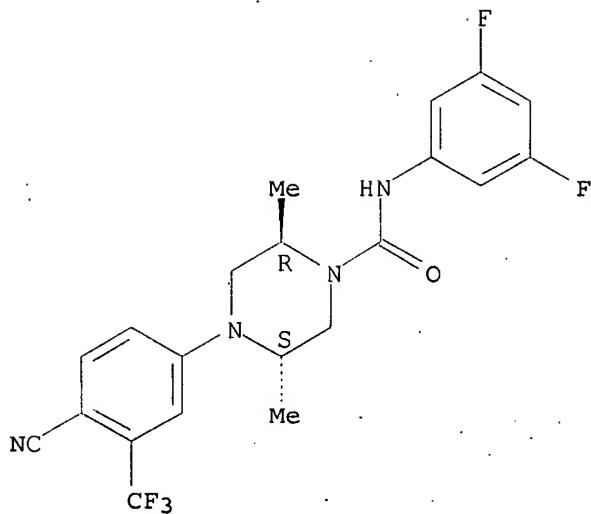


RN 262294-34-8 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(3,5-difluorophenyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

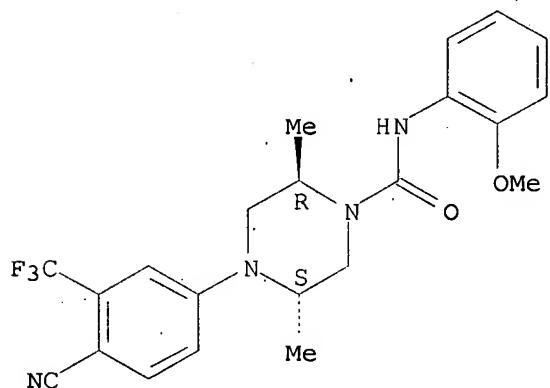
10/513699



RN 262294-35-9 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(2-methoxyphenyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

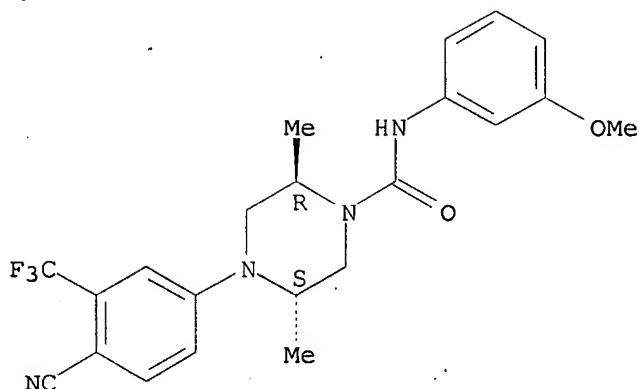


RN 262294-36-0 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(3-methoxyphenyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

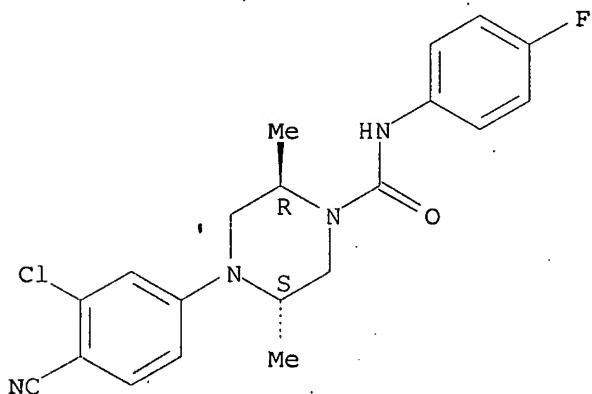
10/513699



RN 262294-37-1 CAPLUS

CN 1-Piperazinecarboxamide, 4-(3-chloro-4-cyanophenyl)-N-(4-fluorophenyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

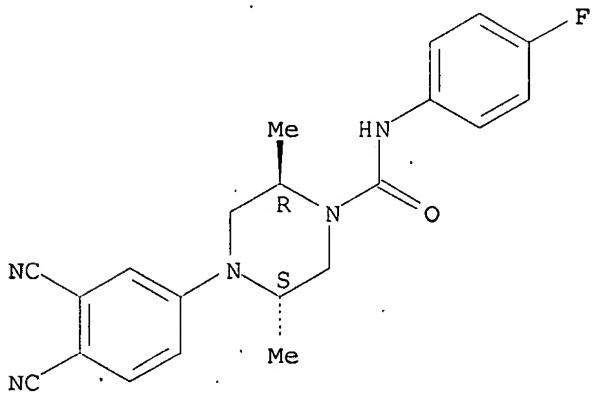
Relative stereochemistry.



RN 262294-38-2 CAPLUS

CN 1-Piperazinecarboxamide, 4-(3,4-dicyanophenyl)-N-(4-fluorophenyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

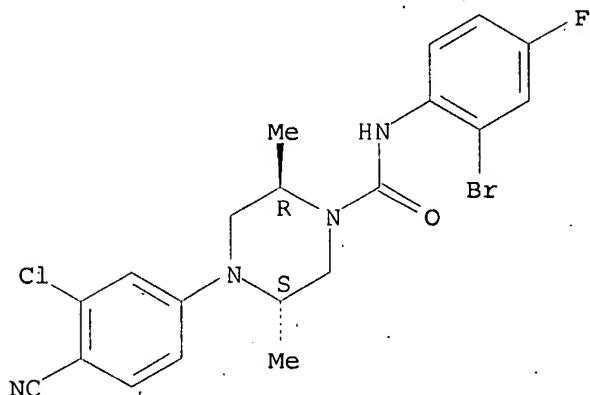


10/513699

RN 262294-42-8 CAPLUS

CN 1-Piperazinecarboxamide, N-(2-bromo-4-fluorophenyl)-4-(3-chloro-4-cyanophenyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

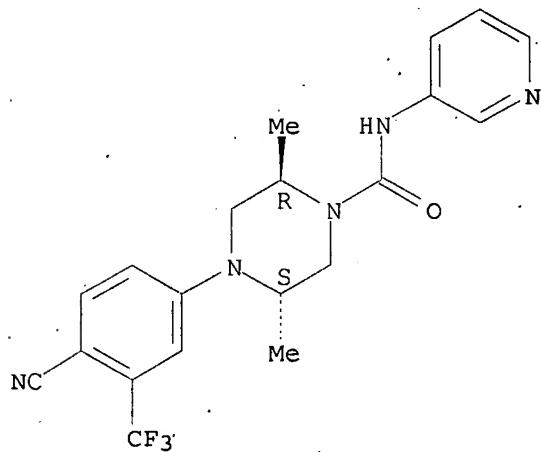
Relative stereochemistry.



RN 262294-46-2 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-3-pyridinyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

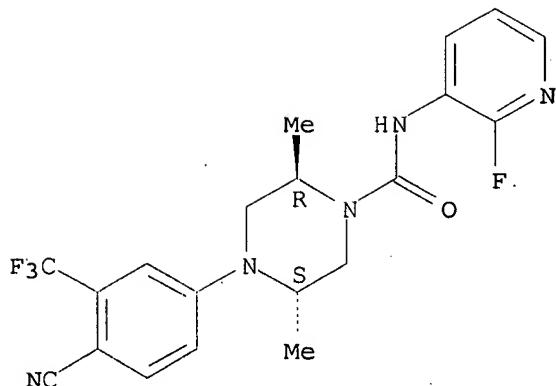


RN 262294-47-3 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(2-fluoro-3-pyridinyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

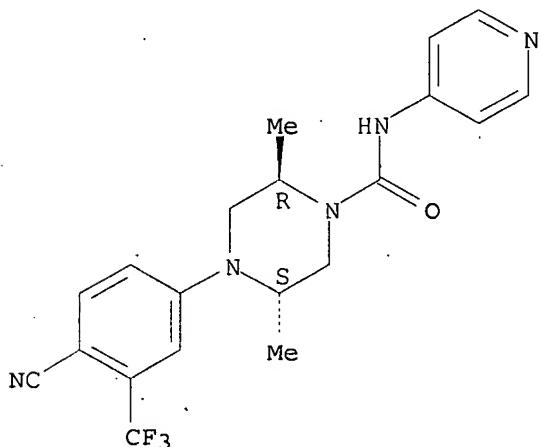
10/513699



RN 262294-48-4 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-4-pyridinyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

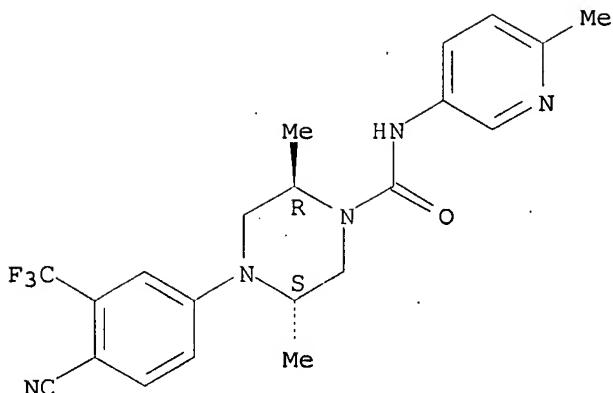


RN 262294-49-5 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-(6-methyl-3-pyridinyl)-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

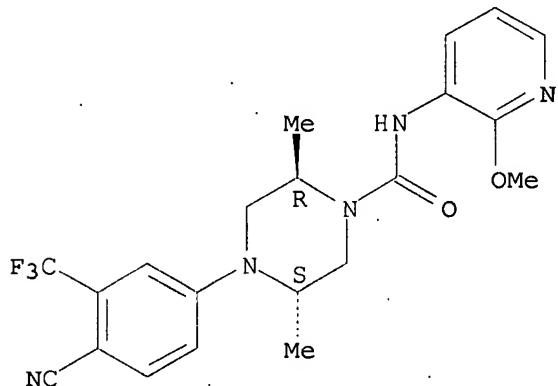
10/513699



RN 262294-50-8 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(2-methoxy-3-pyridinyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

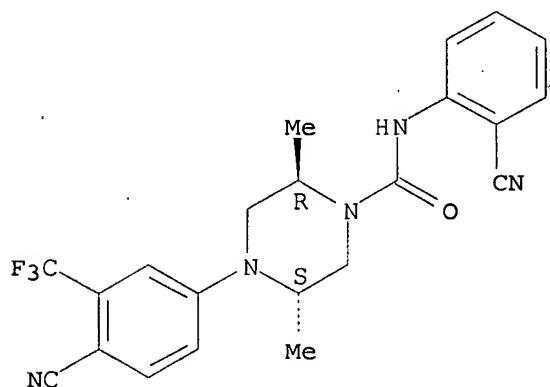
Relative stereochemistry.



RN 262294-51-9 CAPLUS

CN 1-Piperazinecarboxamide, N-(2-cyanophenyl)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

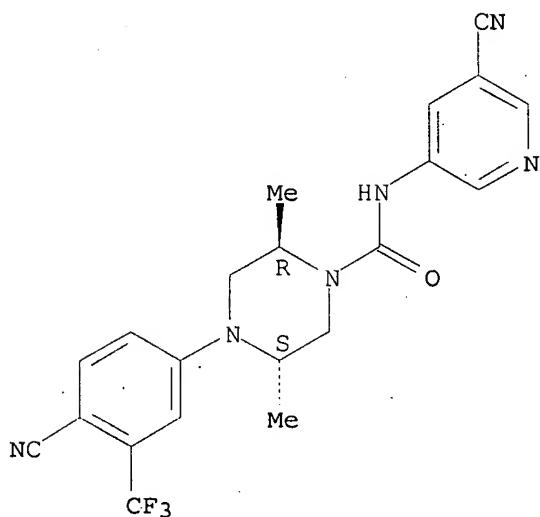


10/513699

RN 262294-52-0 CAPLUS

CN 1-Piperazinecarboxamide, N-(5-cyano-3-pyridinyl)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

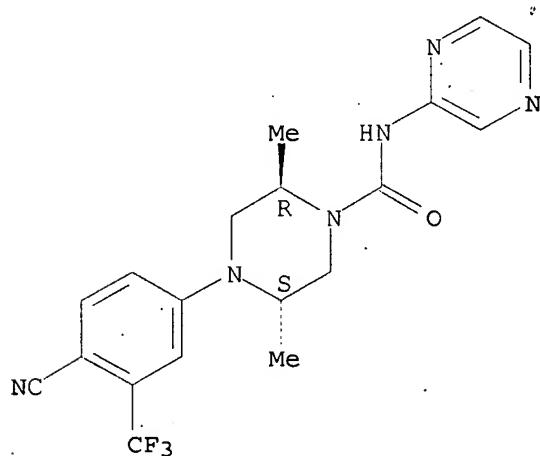
Relative stereochemistry.



RN 262294-55-3 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-pyrazinyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

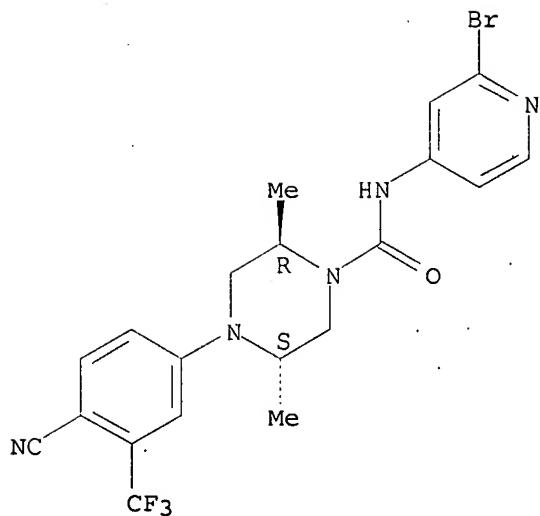
Relative stereochemistry.



RN 262294-61-1 CAPLUS

CN 1-Piperazinecarboxamide, N-(2-bromo-4-pyridinyl)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

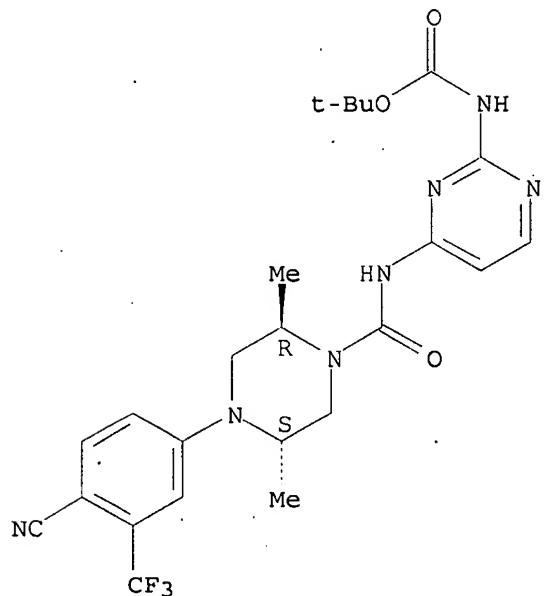
Absolute stereochemistry.



RN 262294-62-2 CAPLUS

CN Carbamic acid, [4-[[[(2R,5S)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-1-piperazinyl]carbonyl]amino]-2-pyrimidinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

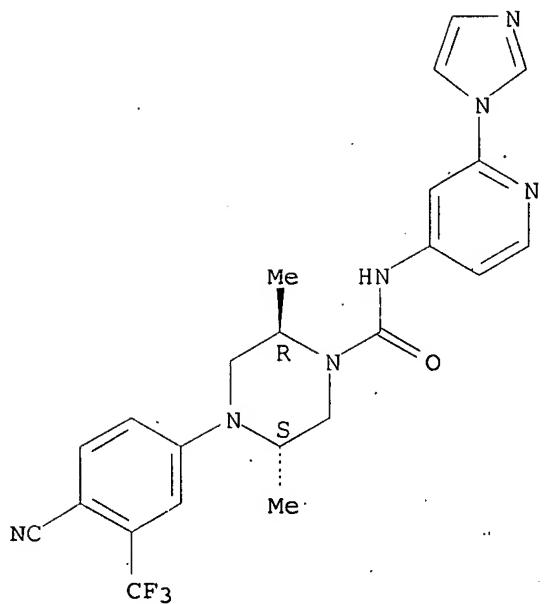


RN 262294-63-3 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-[2-(1H-imidazol-1-yl)-4-pyridinyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

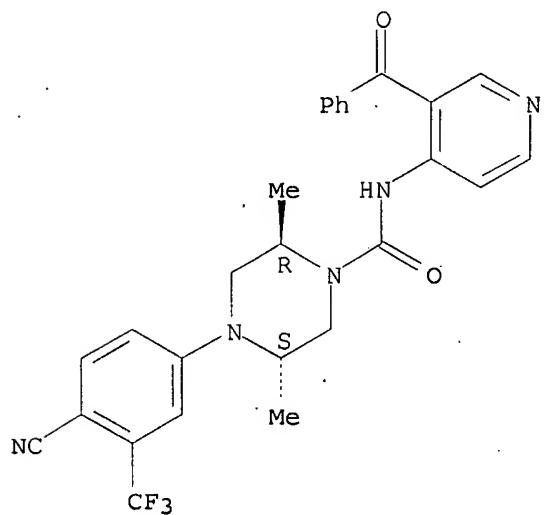
10/513699



RN 262294-64-4 CAPLUS

CN 1-Piperazinecarboxamide, N-(3-benzoyl-4-pyridinyl)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

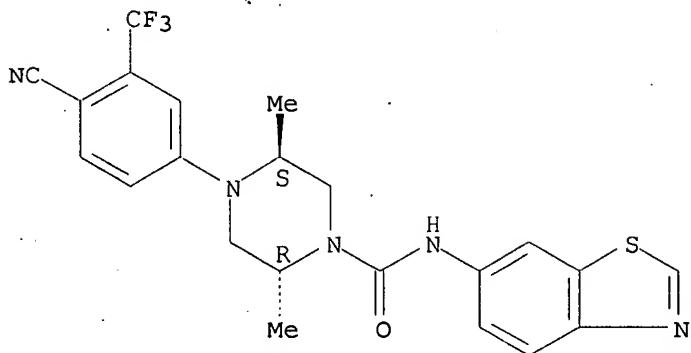


RN 262294-70-2 CAPLUS

CN 1-Piperazinecarboxamide, N-6-benzothiazolyl-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

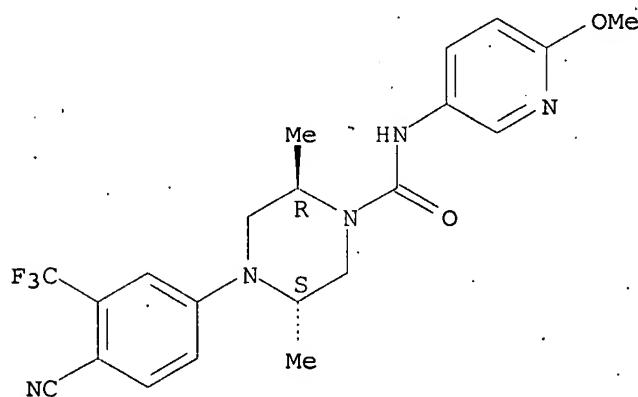
10/513699



RN 262294-73-5 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(6-methoxy-3-pyridinyl)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

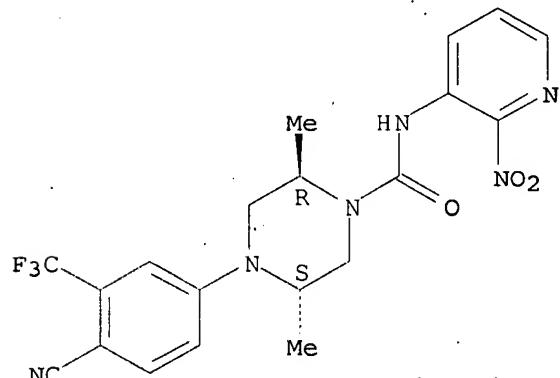
Absolute stereochemistry.



RN 262294-75-7 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-(2-nitro-3-pyridinyl)-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

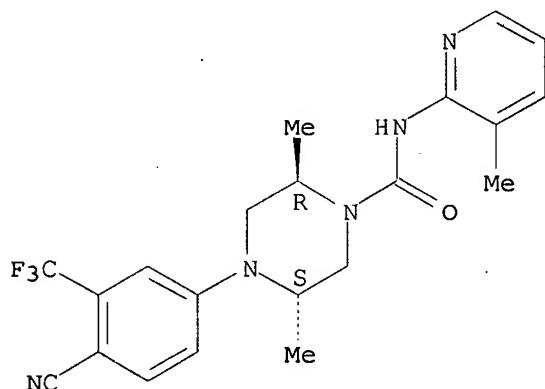


10/513699

RN 262294-76-8 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-(3-methyl-2-pyridinyl)-, monohydrochloride, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

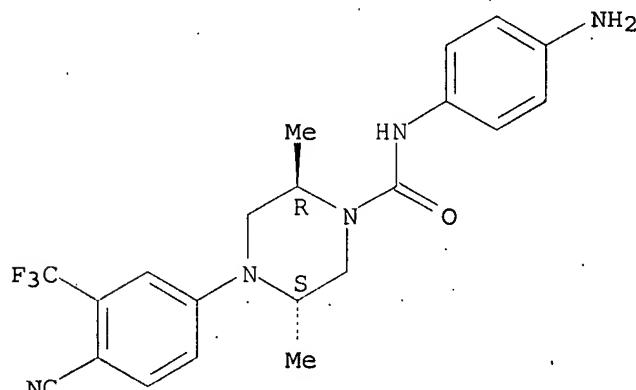


● HCl

RN 262294-90-6 CAPLUS

CN 1-Piperazinecarboxamide, N-(4-aminophenyl)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

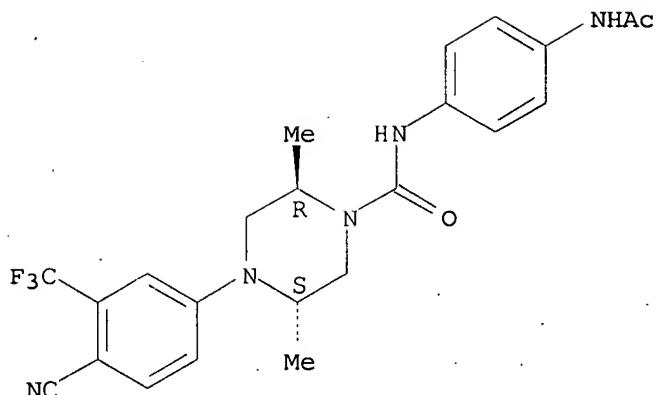


RN 262294-91-7 CAPLUS

CN 1-Piperazinecarboxamide, N-[4-(acetylamino)phenyl]-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

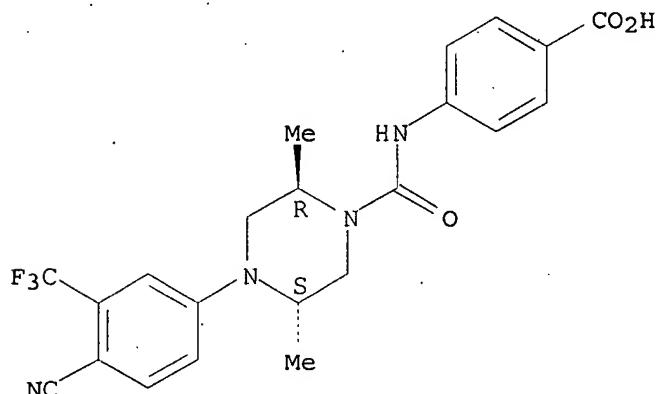
10/513699



RN 262294-93-9 CAPLUS

CN Benzoic acid, 4-[[[(2R,5S)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-1-piperazinyl]carbonyl]amino]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

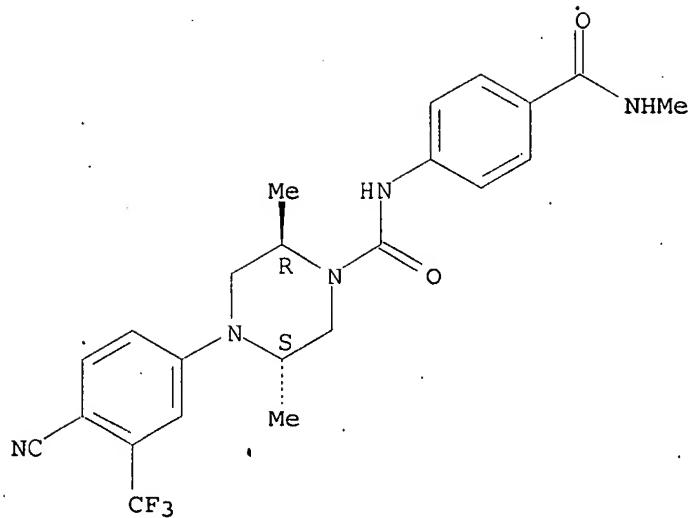


RN 262294-96-2 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-[4-[(methylamino)carbonyl]phenyl]-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

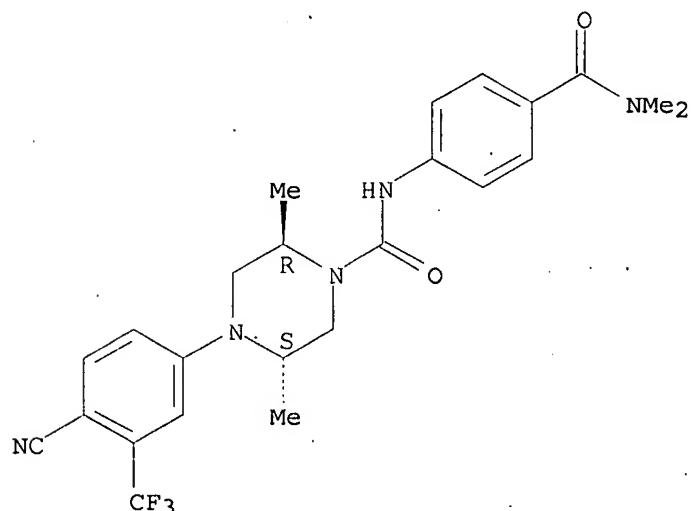
10/513699



RN 262294-97-3 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-[4-[(dimethylamino)carbonyl]phenyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

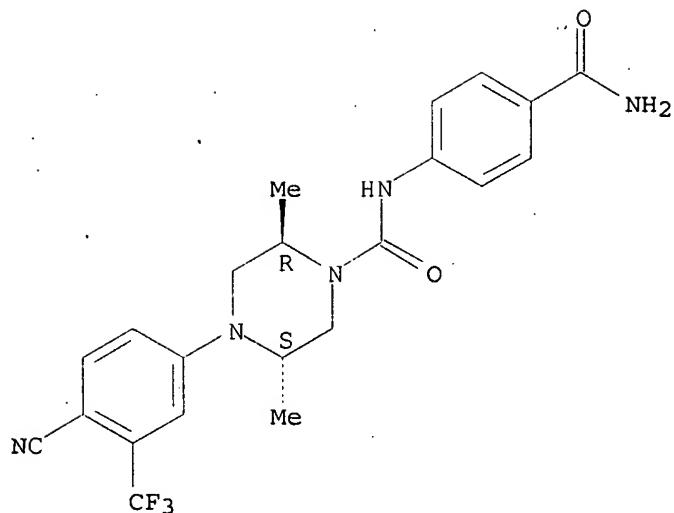


RN 262294-98-4 CAPLUS

CN 1-Piperazinecarboxamide, N-[4-(aminocarbonyl)phenyl]-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

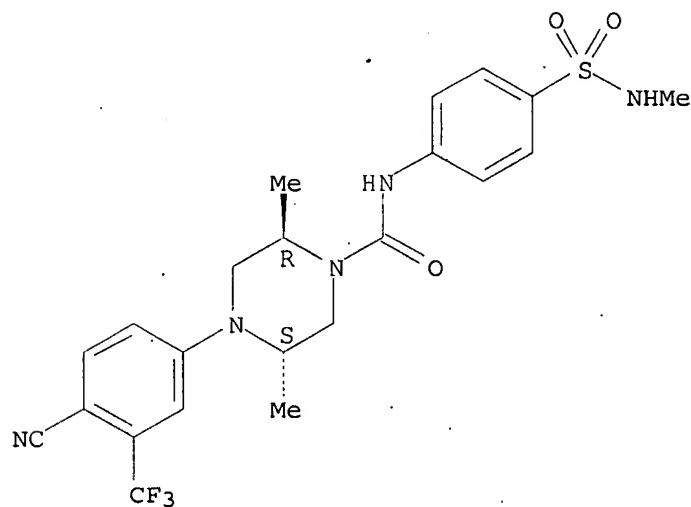
10/513699



RN 262294-99-5 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-[4-[(methylamino)sulfonyl]phenyl]-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

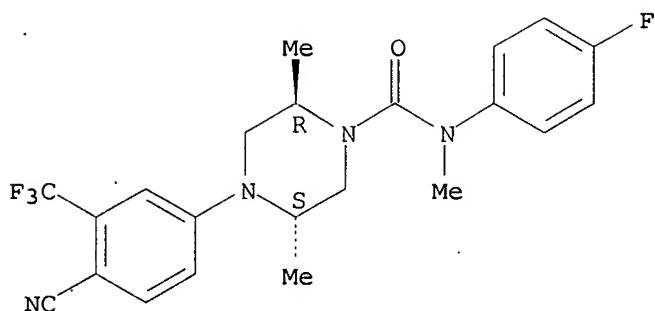


RN 262295-00-1 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(4-fluorophenyl)-N,2,5-trimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

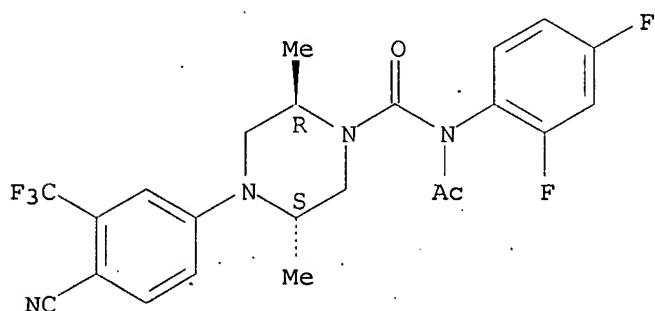
10/513699



RN 262295-01-2 CAPLUS

CN 1-Piperazinecarboxamide, N-acetyl-4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(2,4-difluorophenyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

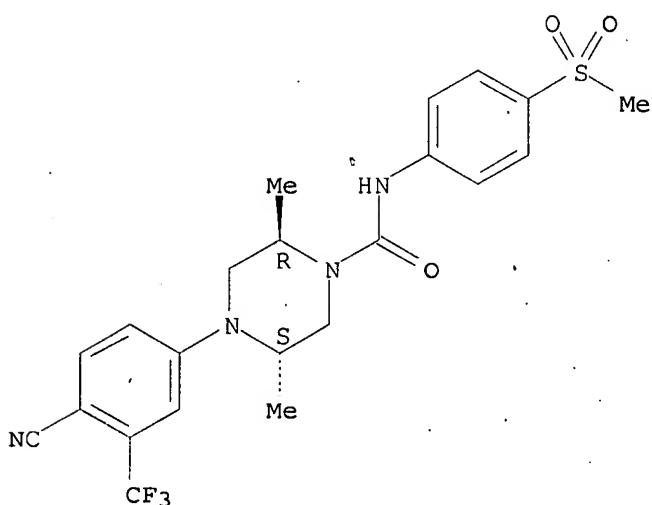
Relative stereochemistry.



RN 262295-04-5 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-[4-(methylsulfonyl)phenyl]-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

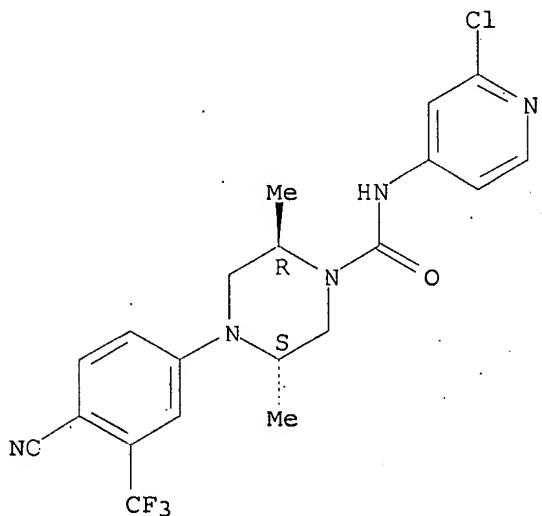


10/513699

RN 262295-08-9 CAPLUS

CN 1-Piperazinecarboxamide, N-(2-chloro-4-pyridinyl)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

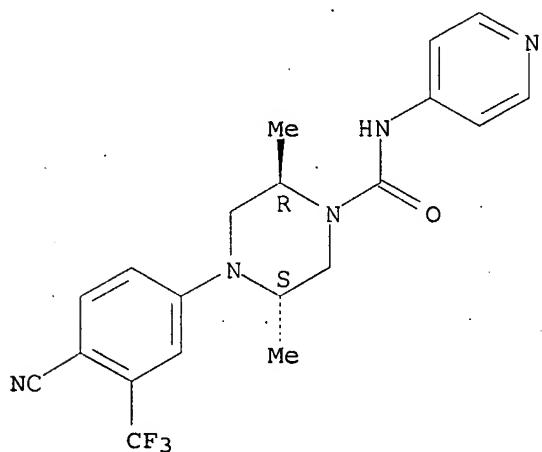
Absolute stereochemistry.



RN 262295-09-0 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-4-pyridinyl-, monohydrochloride, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



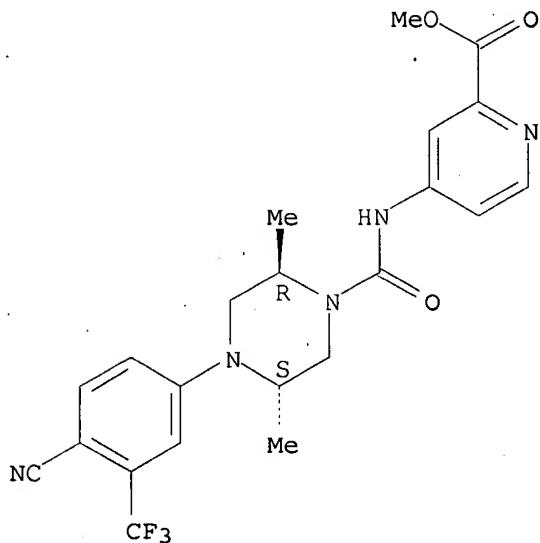
● HCl

RN 262295-10-3 CAPLUS

CN 2-Pyridinecarboxylic acid, 4-[[[(2R,5S)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-1-piperazinyl]carbonyl]amino]-, methyl ester (9CI) (CA INDEX NAME)

10/513699

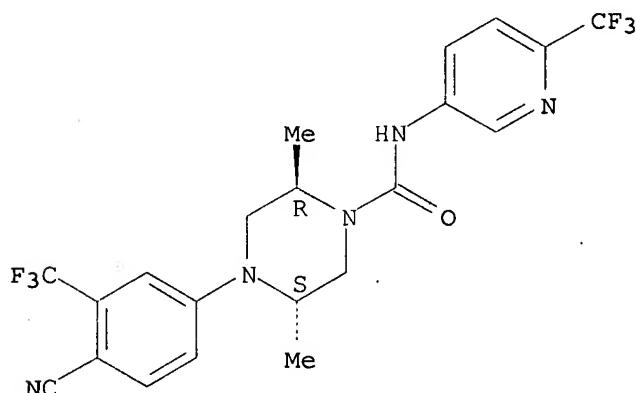
Absolute stereochemistry.



RN 262295-11-4 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-[6-(trifluoromethyl)-3-pyridinyl]-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

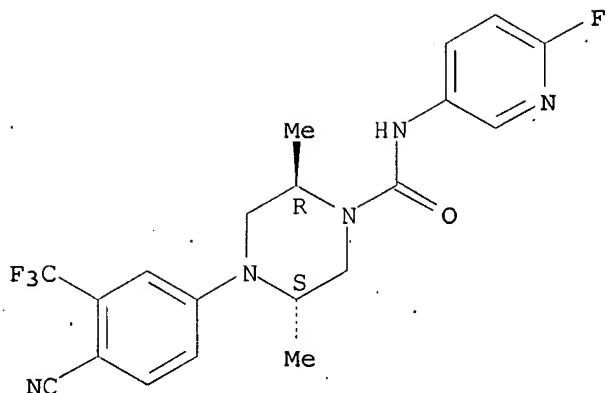


RN 262295-12-5 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(6-fluoro-3-pyridinyl)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

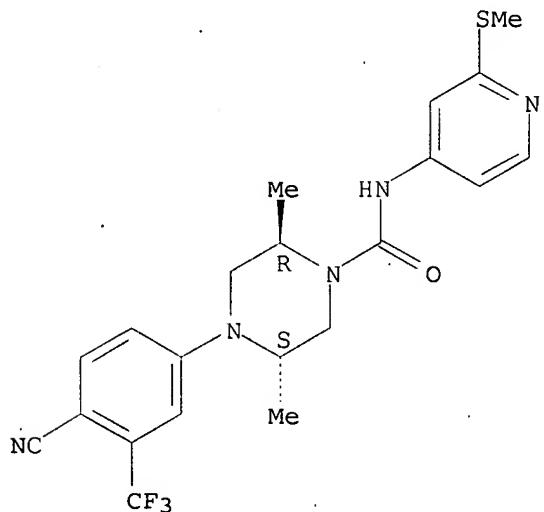
10/513699



RN 262295-13-6 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-[2-(methylthio)-4-pyridinyl]-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

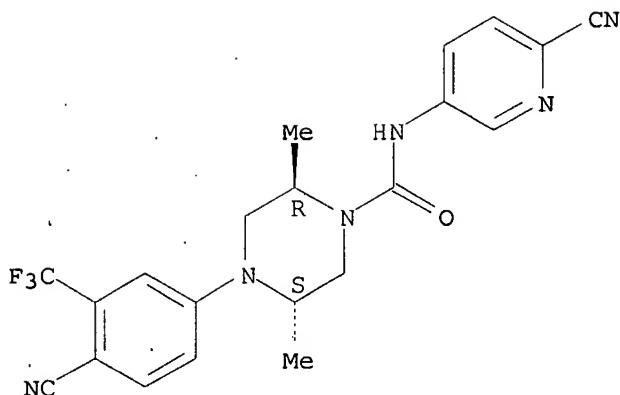


RN 262295-14-7 CAPLUS

CN 1-Piperazinecarboxamide, N-(6-cyano-3-pyridinyl)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

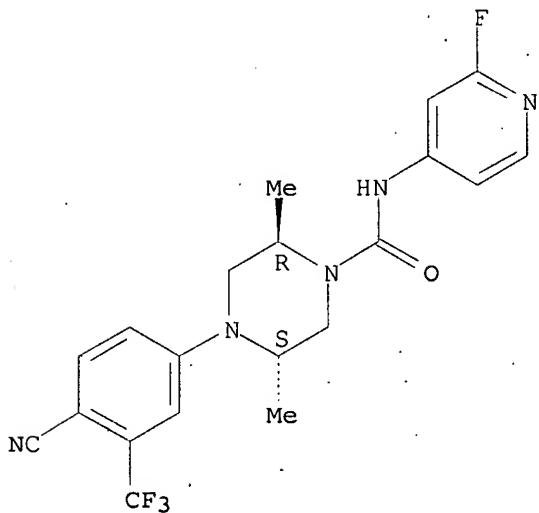
10/513699



RN 262295-15-8 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(2-fluoro-4-pyridinyl)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

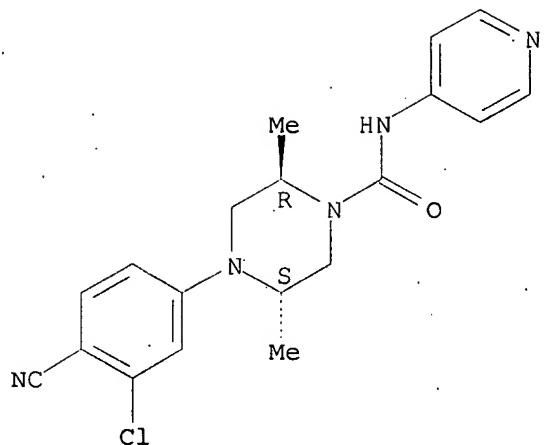


RN 262295-16-9 CAPLUS

CN 1-Piperazinecarboxamide, 4-(3-chloro-4-cyanophenyl)-2,5-dimethyl-N-4-pyridinyl-, monohydrochloride, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

10/513699

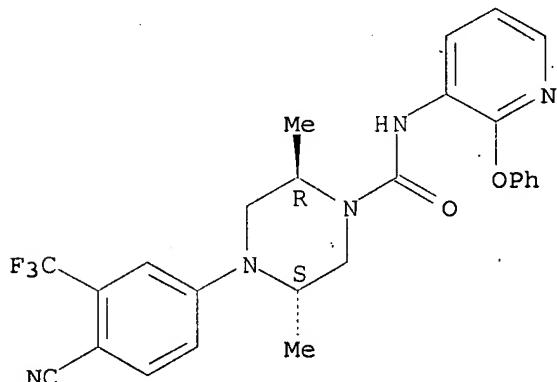


● HCl

RN 262295-18-1 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-(2-phenoxy-3-pyridinyl)-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

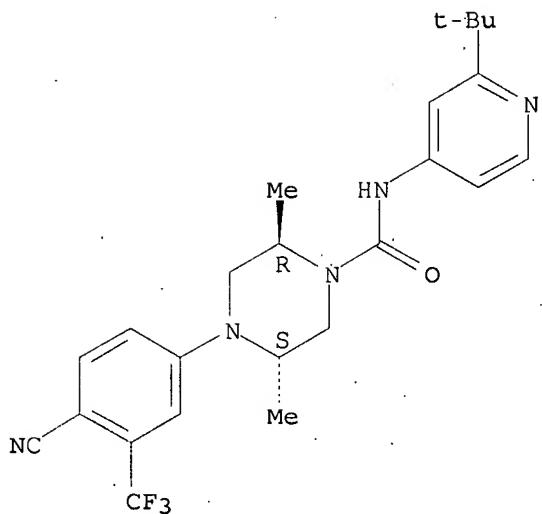


RN 262295-19-2 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-[2-(1,1-dimethylethyl)-4-pyridinyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

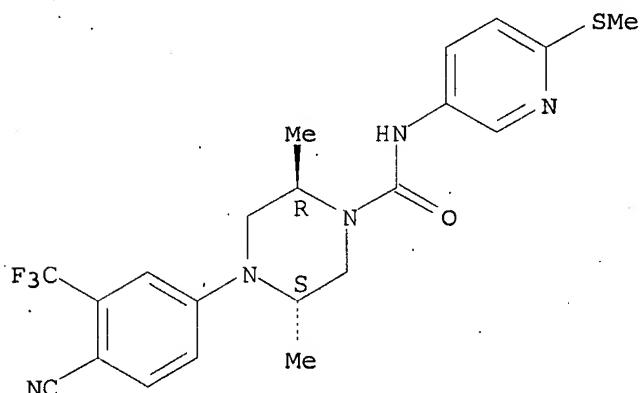
10/513699



RN 262295-20-5 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-[6-(methylthio)-3-pyridinyl]-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

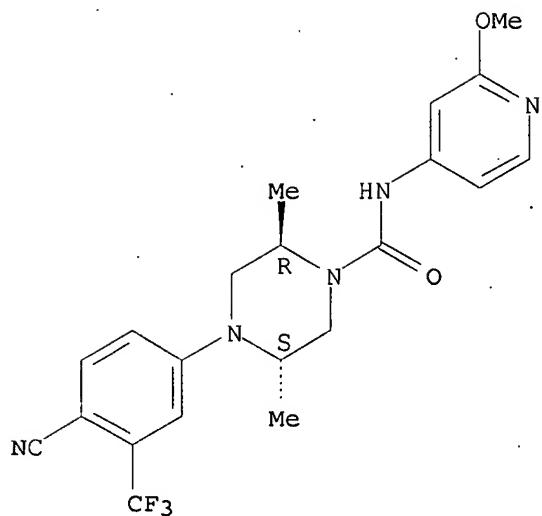


RN 262295-24-9 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(2-methoxy-4-pyridinyl)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

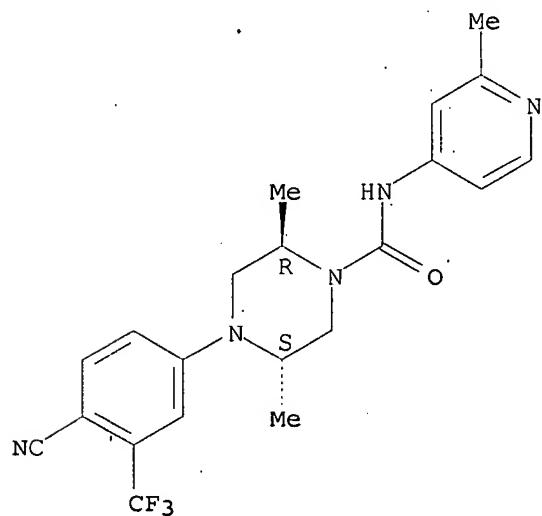
10/513699



RN 262295-25-0 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-(2-methyl-4-pyridinyl)-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

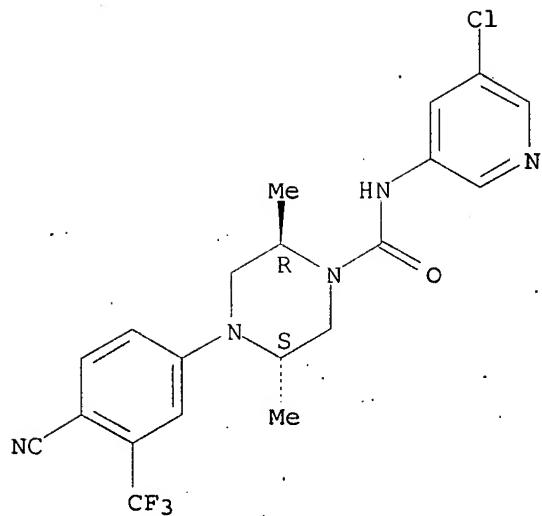


RN 262295-28-3 CAPLUS

CN 1-Piperazinecarboxamide, N-(5-chloro-3-pyridinyl)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

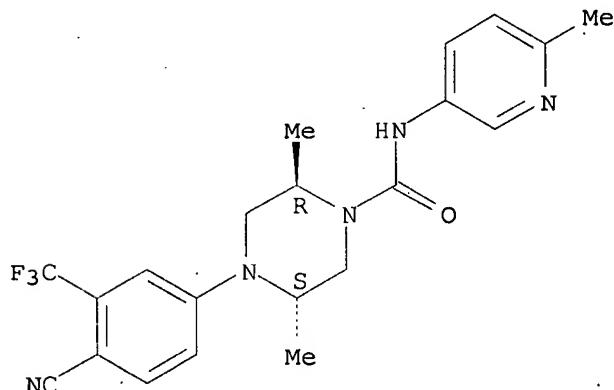
10/513699



RN 262295-29-4 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-(6-methyl-3-pyridinyl)-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

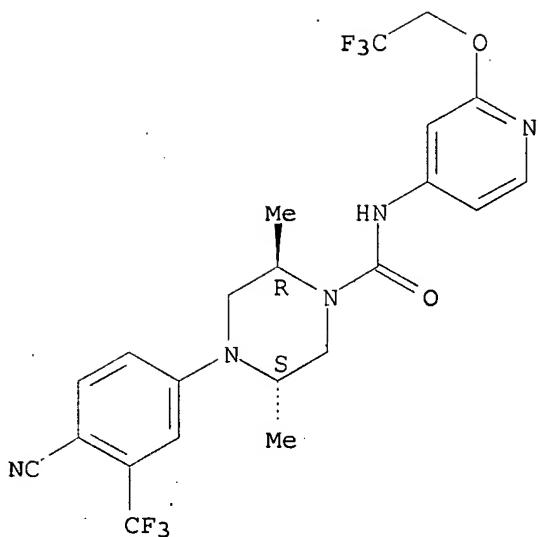


RN 262295-30-7 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-[2-(2,2,2-trifluoroethoxy)-4-pyridinyl]-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

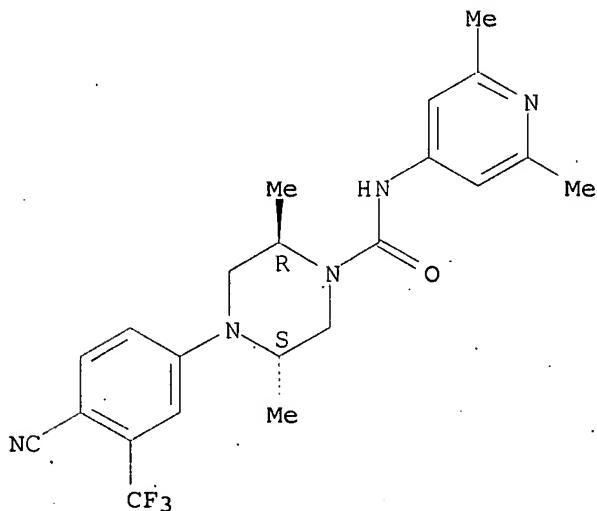
10/513699



RN 262295-31-8 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(2,6-dimethyl-4-pyridinyl)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

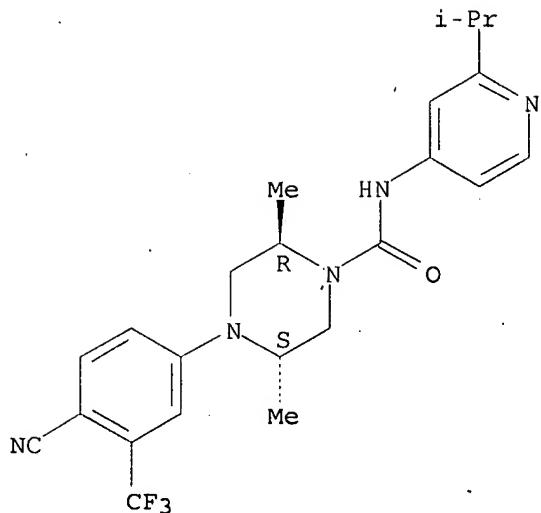


RN 262295-32-9 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-[2-(1-methylethyl)-4-pyridinyl]-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

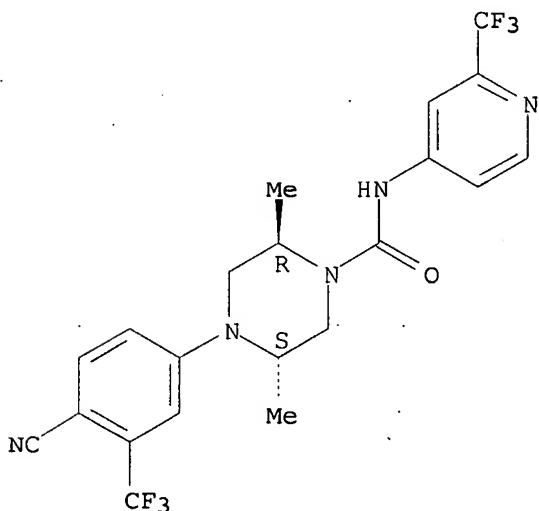
10/513699



RN 262295-33-0 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-[2-(trifluoromethyl)-4-pyridinyl]-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

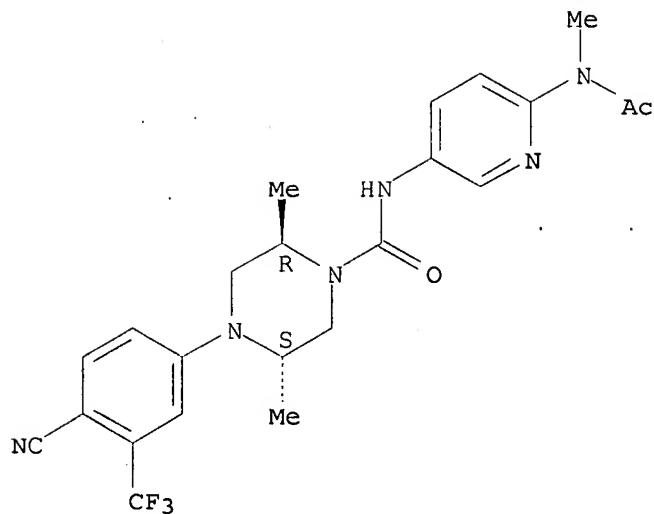


RN 262295-38-5 CAPLUS

CN 1-Piperazinecarboxamide, N-[6-(acetyl methylamino)-3-pyridinyl]-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

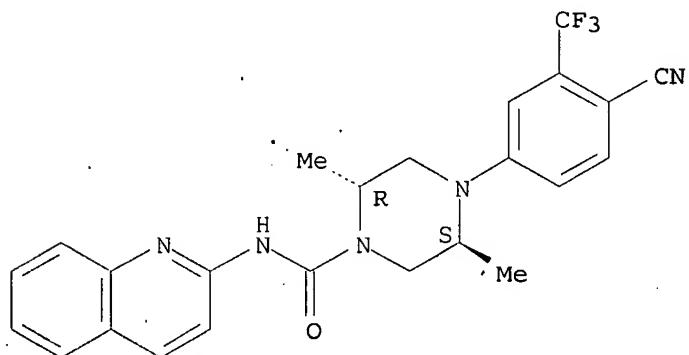
10/513699



RN 262295-39-6 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-2-quinolinyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry:

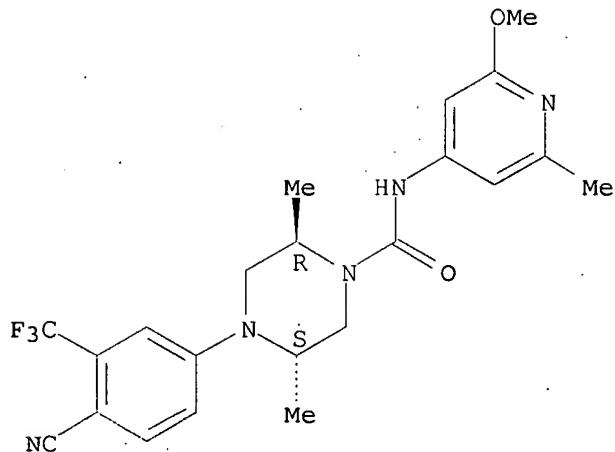


RN 262295-41-0 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(2-methoxy-6-methyl-4-pyridinyl)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

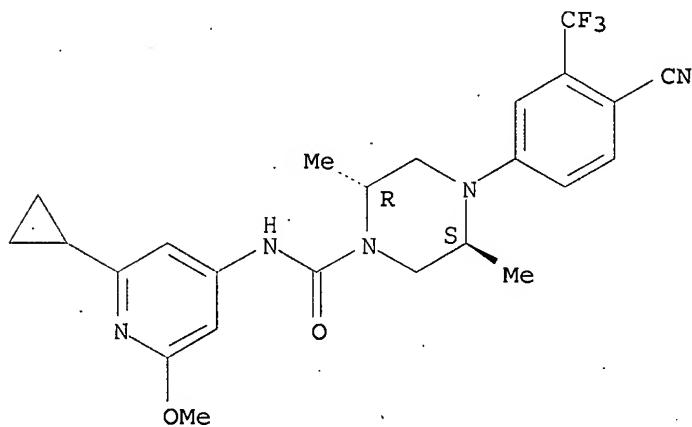
10/513699



RN 262295-42-1 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(2-cyclopropyl-6-methoxy-4-pyridinyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

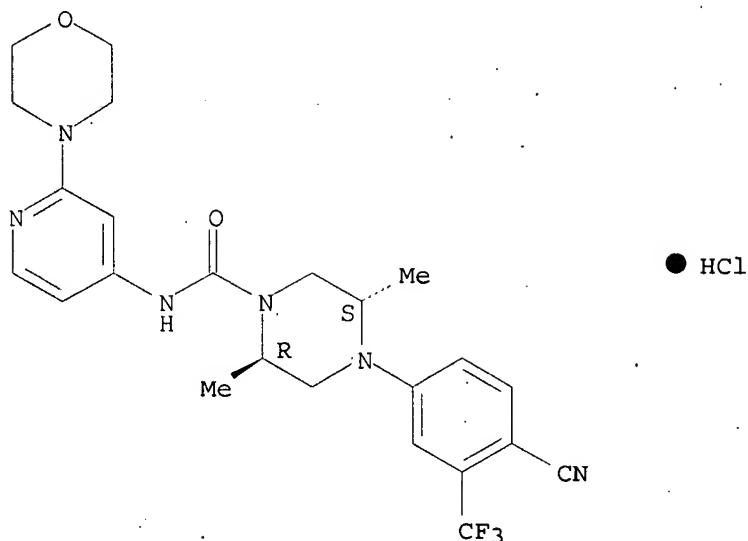


RN 262295-43-2 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-[2-(4-morpholinyl)-4-pyridinyl]-, monohydrochloride, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

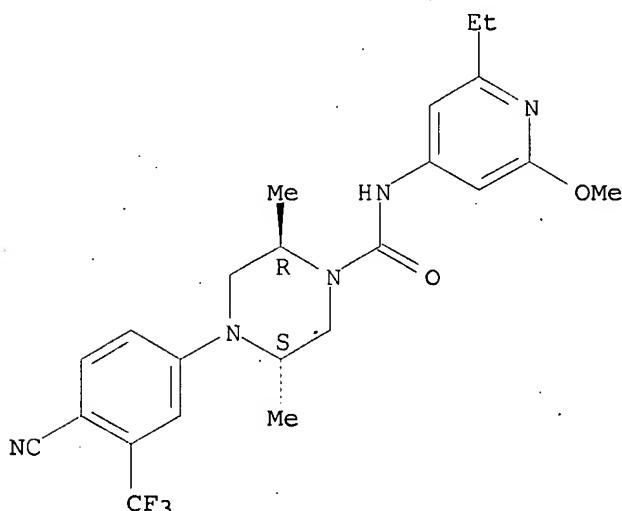
10/513699



RN 262295-44-3 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(2-ethyl-6-methoxy-4-pyridinyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

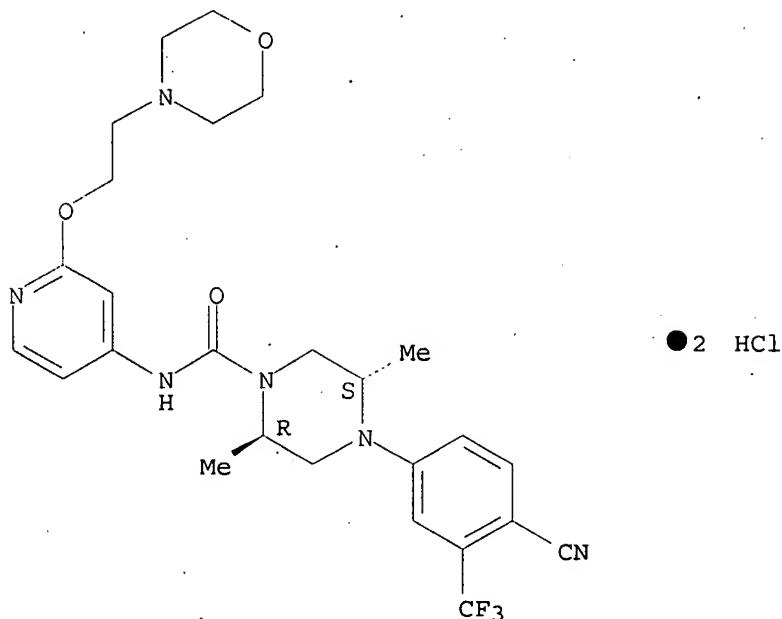


RN 262295-46-5 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-[2-[2-(4-morpholinyl)ethoxy]-4-pyridinyl]-, dihydrochloride, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

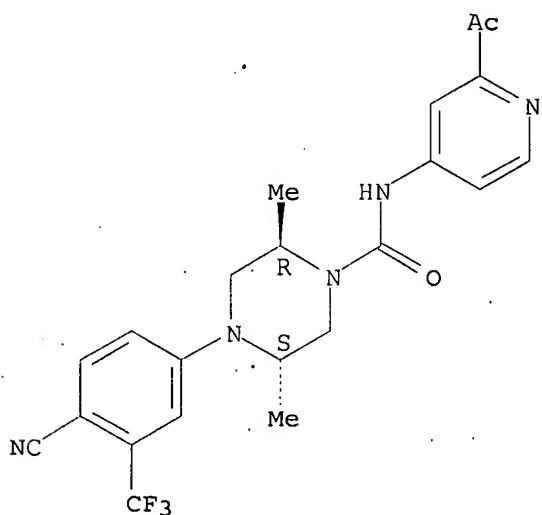
10/513699



RN 262295-47-6 CAPLUS

CN 1-Piperazinecarboxamide, N-(2-acetyl-4-pyridinyl)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

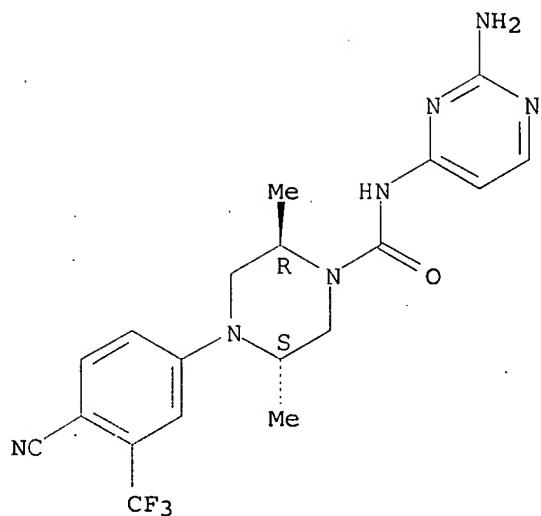


RN 262295-48-7 CAPLUS

CN 1-Piperazinecarboxamide, N-(2-amino-4-pyrimidinyl)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

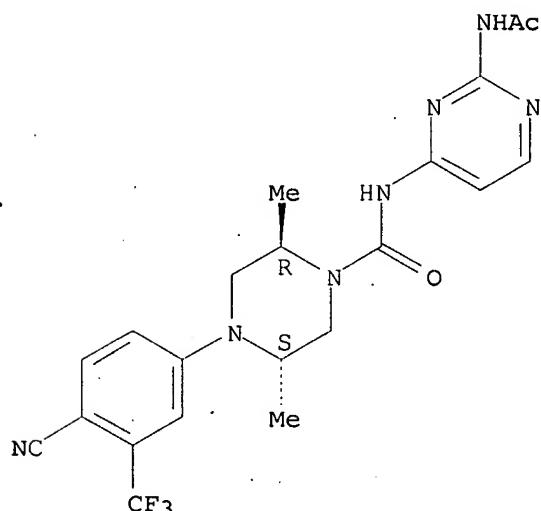
10/513699



RN 262295-49-8 CAPLUS

CN 1-Piperazinecarboxamide, N-[2-(acetylamino)-4-pyrimidinyl]-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

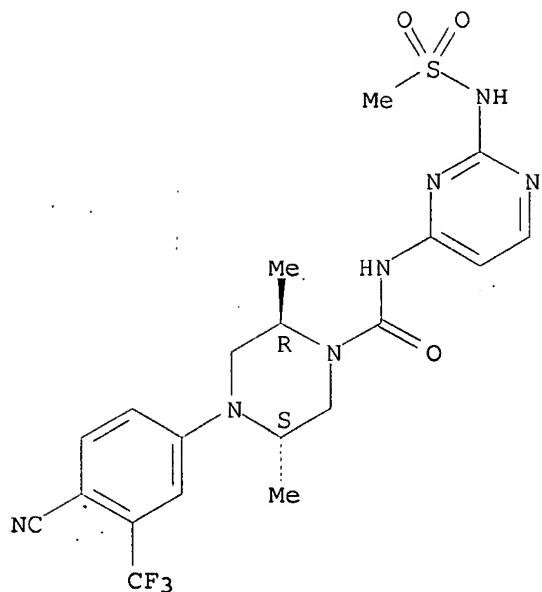


RN 262295-50-1 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-[2-[(methylsulfonyl)amino]-4-pyrimidinyl]-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

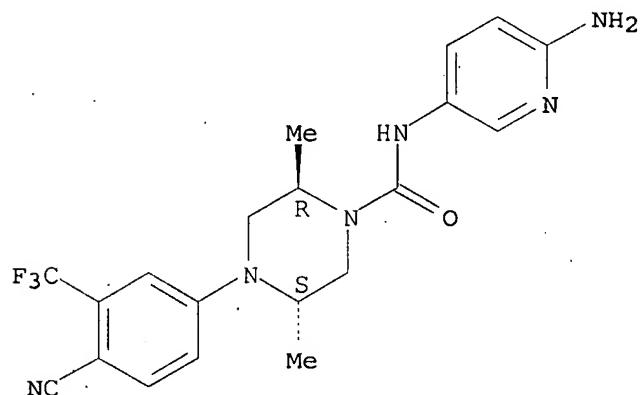
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RN 262295-52-3 CAPLUS

CN 1-Piperazinecarboxamide, N-(6-amino-3-pyridinyl)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

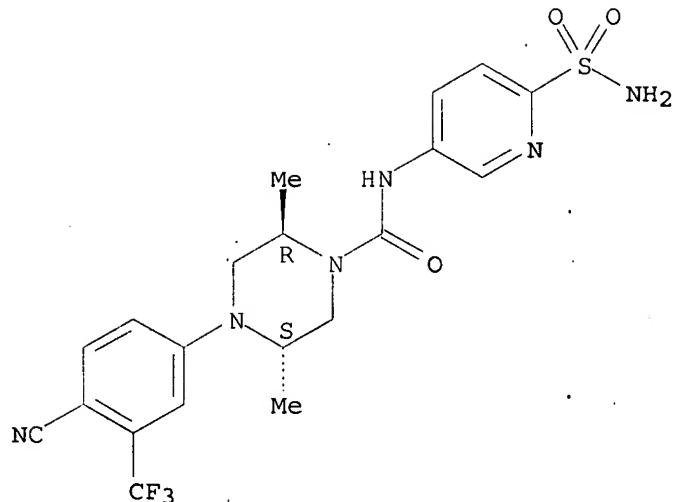


RN 262295-53-4 CAPLUS

CN 1-Piperazinecarboxamide, N-[6-(aminosulfonyl)-3-pyridinyl]-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

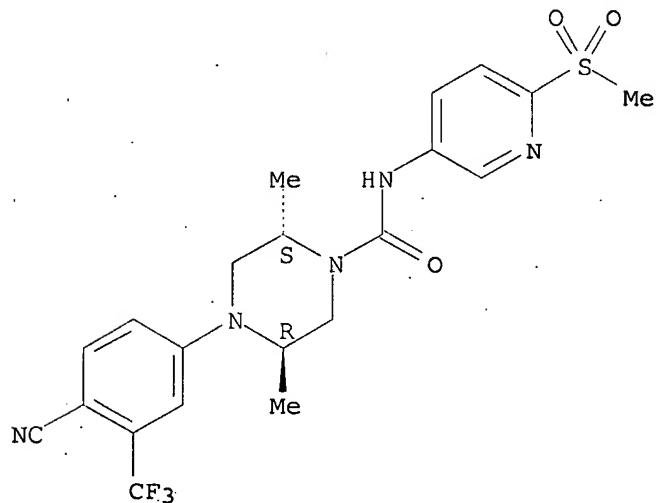
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RN 262296-09-3 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-[6-(methylsulfonyl)-3-pyridinyl]-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

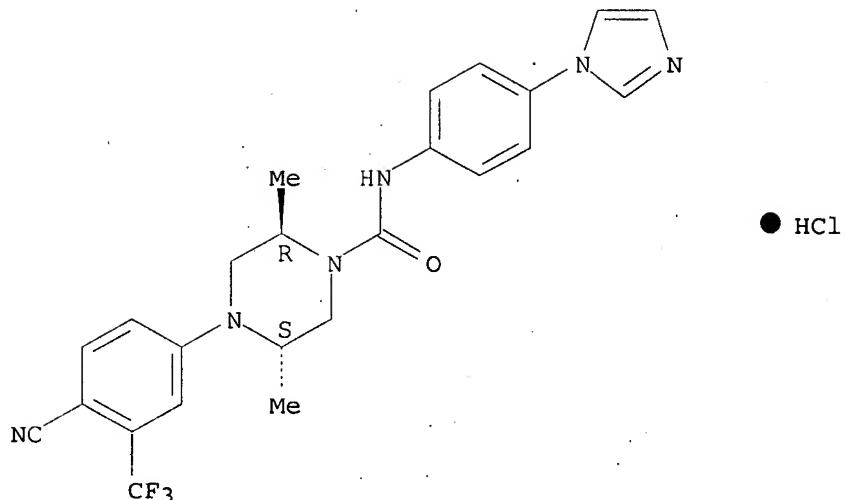


RN 375360-12-6 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-[4-(1H-imidazol-1-yl)phenyl]-2,5-dimethyl-, monohydrochloride, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

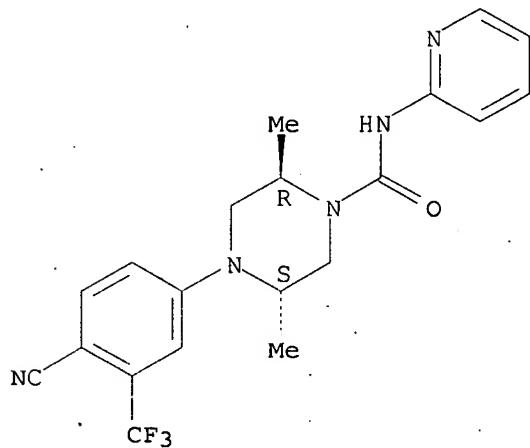
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RN 375360-32-0 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-2-pyridinyl-, monohydrochloride, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



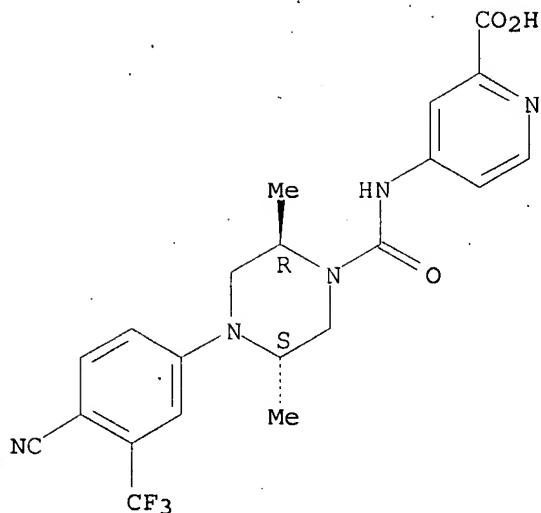
● HCl

RN 375361-00-5 CAPLUS

CN 2-Pyridinecarboxylic acid, 4-[[[(2R,5S)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-1-piperazinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

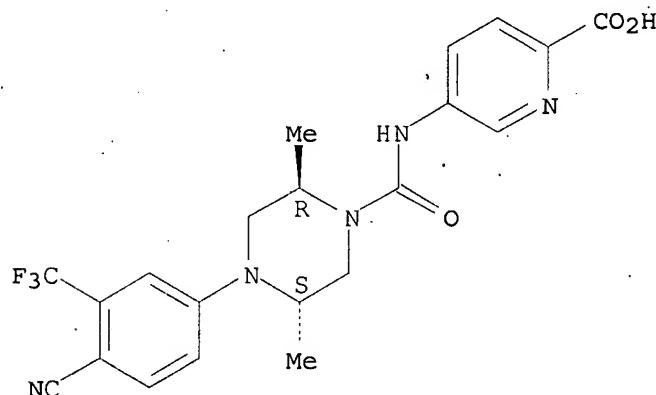
10/513699



RN 375361-06-1 CAPLUS

CN 2-Pyridinecarboxylic acid, 5-[[[(2R,5S)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-1-piperazinyl]carbonyl]amino]- (9CI)  
(CA INDEX NAME)

Absolute stereochemistry.

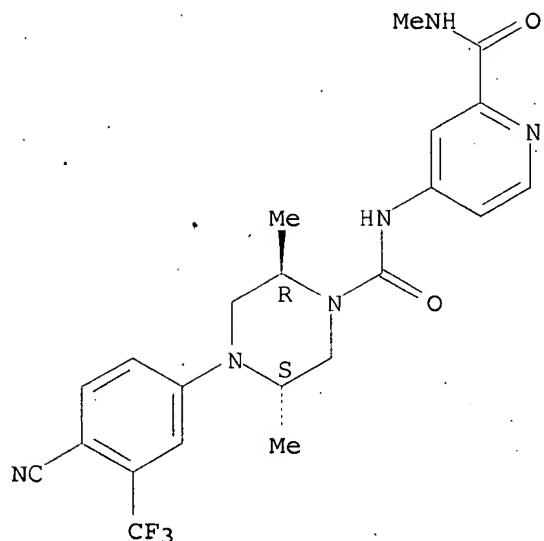


RN 375361-09-4 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-[2-[(methylamino)carbonyl]-4-pyridinyl]-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

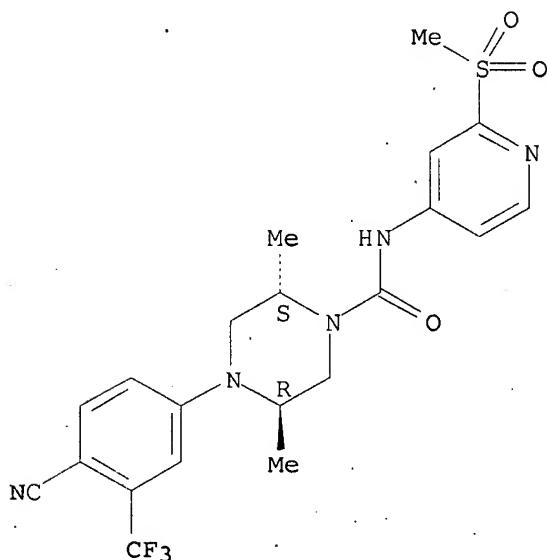
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RN 375361-31-2 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-[2-(methylsulfonyl)-4-pyridinyl]-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

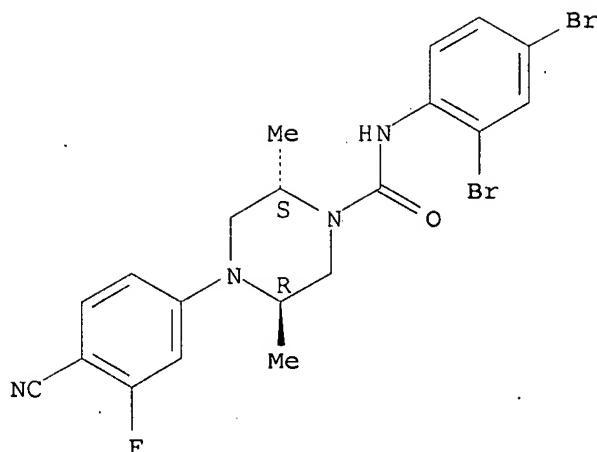


RN 375361-42-5 CAPLUS

CN 1-Piperazinecarboxamide, 4-(4-cyano-3-fluorophenyl)-N-(2,4-dibromophenyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

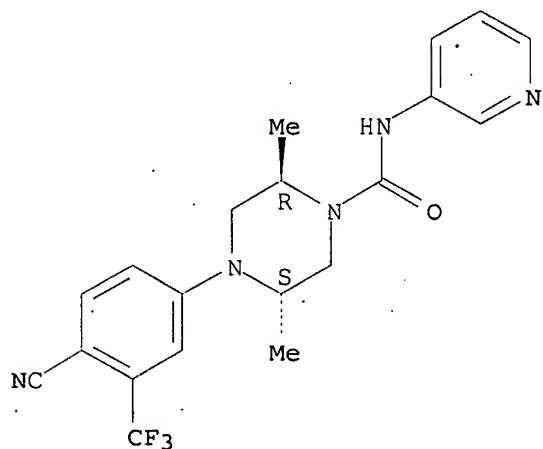
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RN 375361-71-0 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-3-pyridinyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

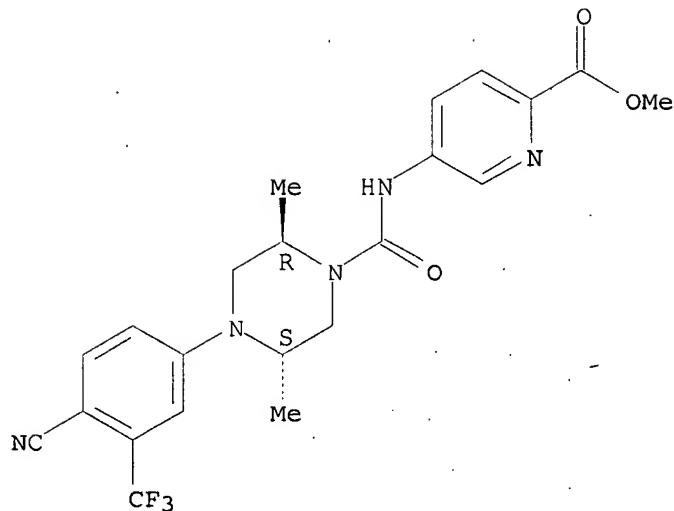


RN 375362-01-9 CAPLUS

CN 2-Pyridinecarboxylic acid, 5-[[[(2R,5S)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-1-piperazinyl]carbonyl]amino]-, methyl ester, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

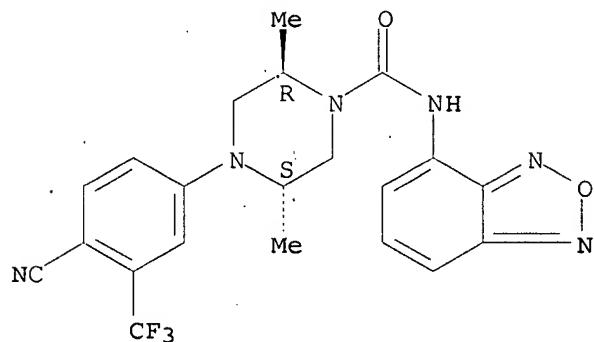
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RN 375362-08-6 CAPLUS

CN 1-Piperazinecarboxamide, N-2,1,3-benzoxadiazol-4-yl-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

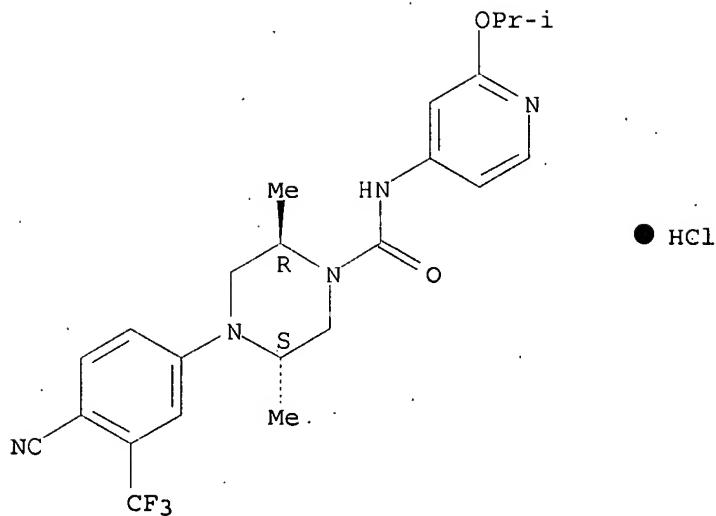


RN 375362-19-9 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-[2-(1-methylethoxy)-4-pyridinyl]-, monohydrochloride, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

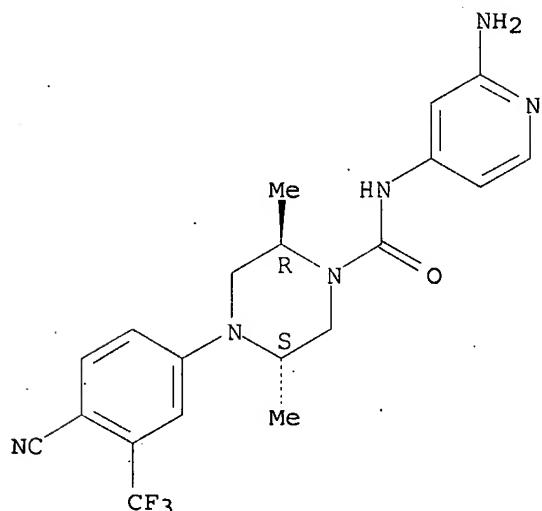
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RN 375362-32-6 CAPLUS

CN 1-Piperazinecarboxamide, N-(2-amino-4-pyridinyl)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

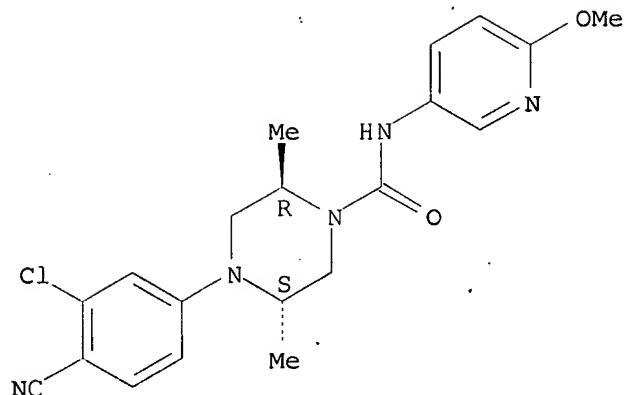


RN 375362-39-3 CAPLUS

CN 1-Piperazinecarboxamide, 4-(3-chloro-4-cyanophenyl)-N-(6-methoxy-3-pyridinyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

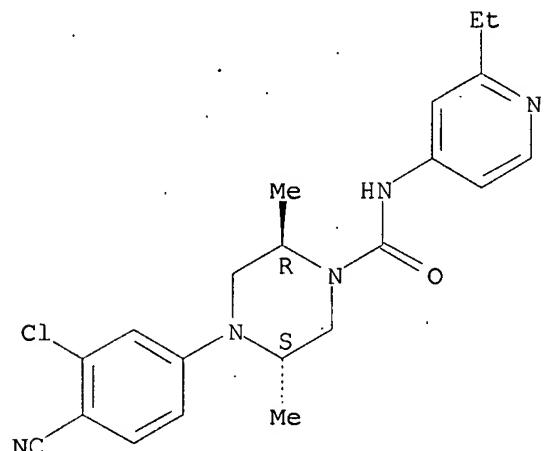
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RN 375362-42-8 CAPLUS

CN 1-Piperazinecarboxamide, 4-(3-chloro-4-cyanophenyl)-N-(2-ethyl-4-pyridinyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

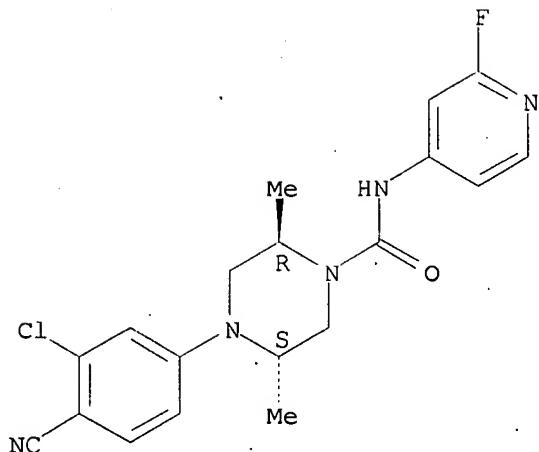


RN 375362-45-1 CAPLUS

CN 1-Piperazinecarboxamide, 4-(3-chloro-4-cyanophenyl)-N-(2-fluoro-4-pyridinyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

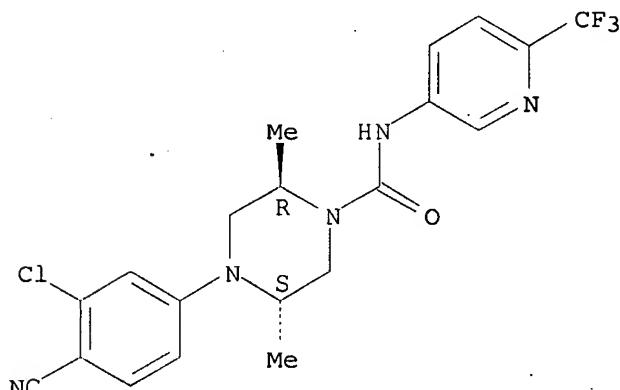
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RN 375362-48-4 CAPLUS

CN 1-Piperazinecarboxamide, 4-(3-chloro-4-cyanophenyl)-2,5-dimethyl-N-[6-(trifluoromethyl)-3-pyridinyl]-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

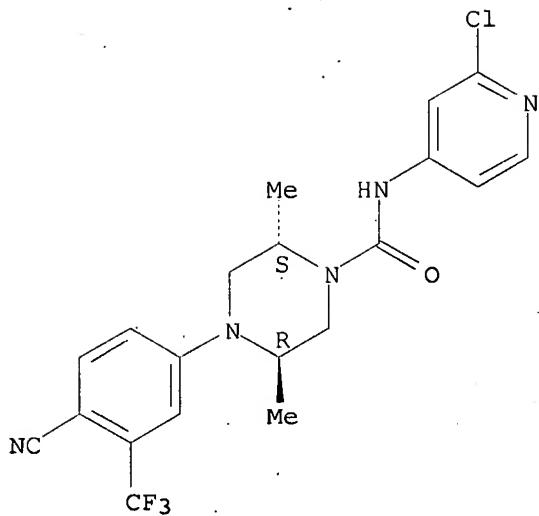


RN 375366-52-2 CAPLUS

CN 1-Piperazinecarboxamide, N-(2-chloro-4-pyridinyl)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2S,5R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

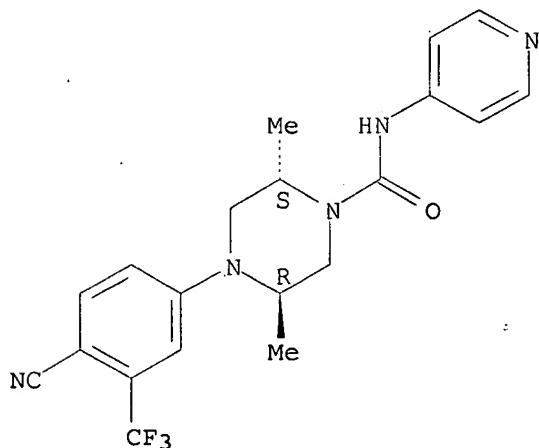
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RN 375366-54-4 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-4-pyridinyl-, monohydrochloride, (2S,5R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● HCl

L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2000:210118 CAPLUS

DOCUMENT NUMBER: 132:237107

TITLE: Preparation of piperazino-substituted cyanophenyl derivatives as antiandrogen agents

INVENTOR(S): Taniguchi, Nobuaki; Kinoyama, Isao; Kamikubo, Takashi; Toyoshima, Akira; Samizu, Kiyohiro; Kawaminami, Eiji; Imamura, Masakazu; Moritomo, Hiroyuki; Matsuhisa, Akira; Hirano, Masaaki; Miyazaki, Yoji; Nozawa,

10/513699

Eisuke; Okada, Minoru; Koutoku, Hiroshi; Ohta,  
Mitsuaki

PATENT ASSIGNEE(S): Yamanouchi Pharmaceutical Co., Ltd.; Japan; et al.  
SOURCE: PCT Int. Appl., 65 pp.

CODEN: PIXXD2

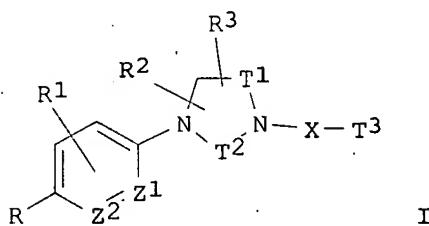
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
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BR 9914018	A	20010703	BR 1999-14018	19990921
EP 1122242	A1	20010808	EP 1999-943446	19990921
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JP 2003137873	A	20030514	JP 2002-328498	19990921
CN 1129581	B	20031203	CN 1999-811198	19990921
RU 2221785	C2	20040120	RU 2001-107612	19990921
US 6673799	B1	20040106	US 2001-787672	20010321
US 2004010037	A1	20040115	US 2003-608341	20030630
PRIORITY APPLN. INFO.:				
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		WO 1999-JP5149	W	19990921
		US 2001-787672	A3	20010321

OTHER SOURCE(S): MARPAT 132:237107  
GI



AB The title compds. I [T1 = (CH<sub>2</sub>)<sub>n</sub>; T2 = (CH<sub>2</sub>)<sub>k</sub>; T3 = (NR<sub>4</sub>Y)<sub>m</sub>R<sub>5</sub>; R = cyano, etc.; R<sub>1</sub> = H, halo, etc.; R<sub>2</sub> - R<sub>4</sub> = H, alkyl, etc.; R<sub>5</sub> = alkyl, etc.; k, n = 1 - 3; m = 0 or 1; X = CO, etc.; Z<sub>1</sub>, Z<sub>2</sub> = CH, N; a proviso is given; Y = alkylene, etc.] are prepared. These derivs. exhibit antiandrogen activities

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and are therefore useful in the prevention or treatment of prostatic cancer, prostatic hypertrophy and so forth. In an in vitro assay for inhibition of androgen binding to androgen receptors, (2R,5S)-N-(2-bromo-4-pyridyl)-4-(4-cyano-3-trifluoromethylphenyl)-2,5-dimethylpiperazine-1-carboxamide showed the Ki value of 7.5 nM.

IT 262293-89-0P 262293-91-4P 262293-92-5P  
262293-93-6P 262293-94-7P 262293-95-8P  
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262294-38-2P 262294-42-8P 262294-46-2P  
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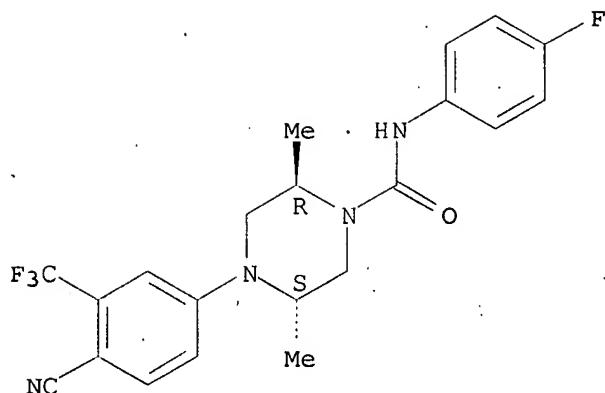
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(preparation of piperazino-substituted cyanophenyl derivs. as antiandrogen agents)

RN 262293-89-0 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(4-fluorophenyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

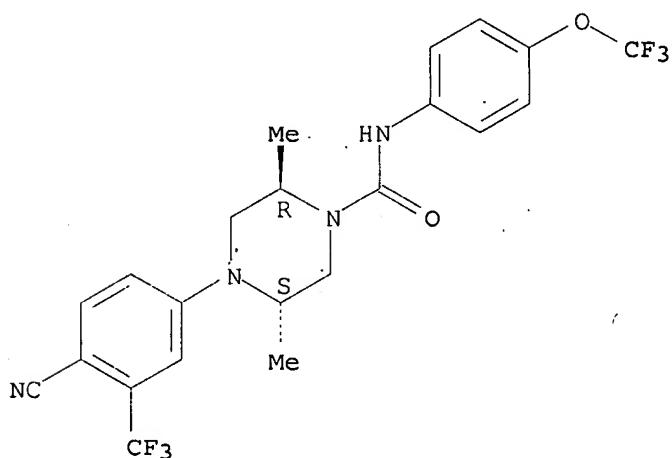
10/513699



RN 262293-91-4 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-[4-(trifluoromethoxy)phenyl]-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

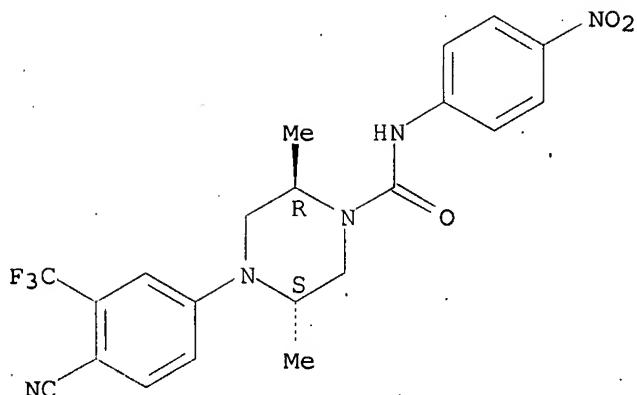


RN 262293-92-5 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-(4-nitrophenyl)-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

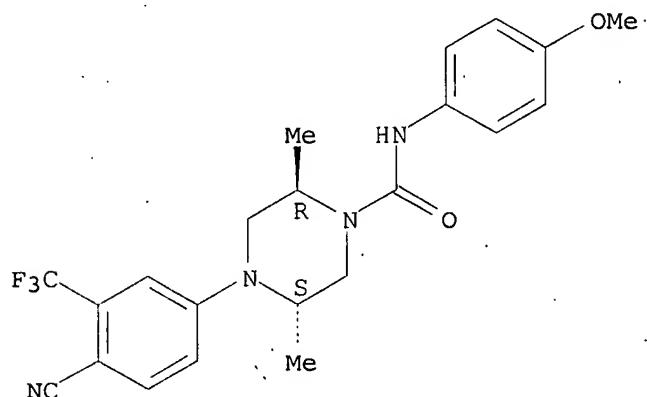
10/513699



RN 262293-93-6 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(4-methoxyphenyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

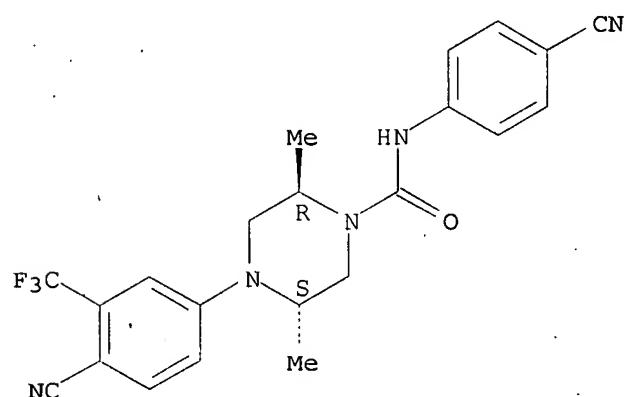
Relative stereochemistry.



RN 262293-94-7 CAPLUS

CN 1-Piperazinecarboxamide, N-(4-cyanophenyl)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

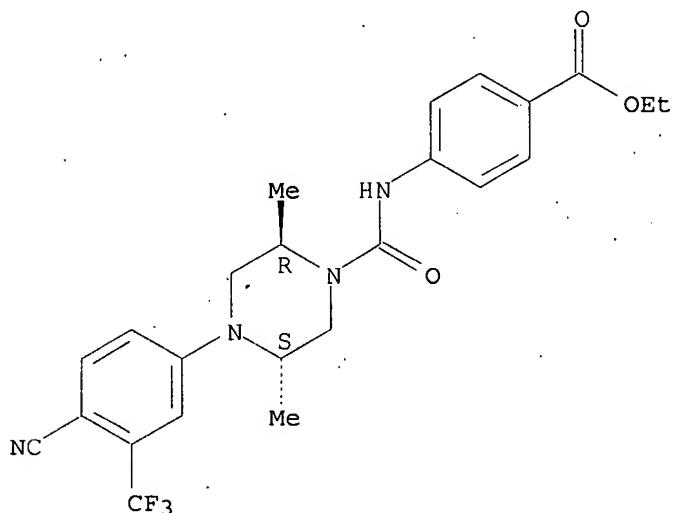


10/513699

RN 262293-95-8 CAPLUS

CN Benzoic acid, 4-[[[(2R,5S)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-1-piperazinyl]carbonyl]amino]-, ethyl ester, rel- (9CI) (CA INDEX NAME)

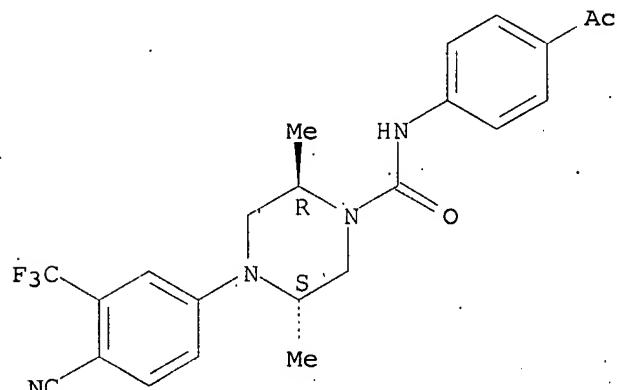
Relative stereochemistry.



RN 262293-96-9 CAPLUS

CN 1-Piperazinecarboxamide, N-(4-acetylphenyl)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

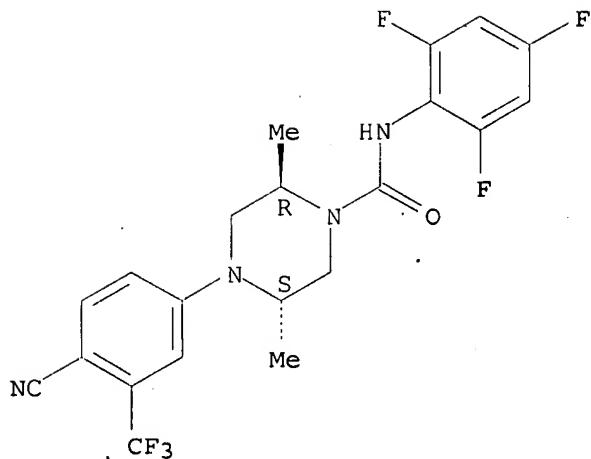


RN 262293-97-0 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-(2,4,6-trifluorophenyl)-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

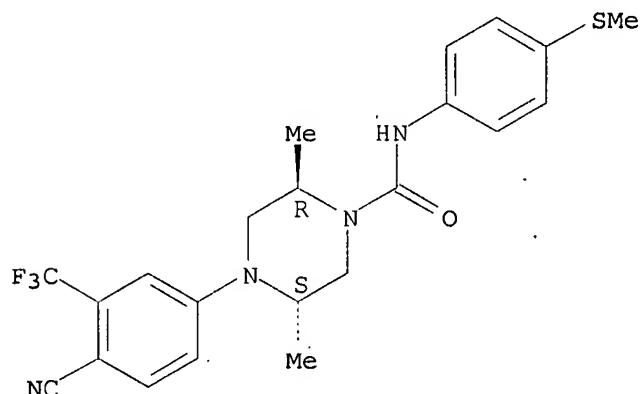
10/513699



RN 262293-98-1 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-[4-(methylthio)phenyl]- (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

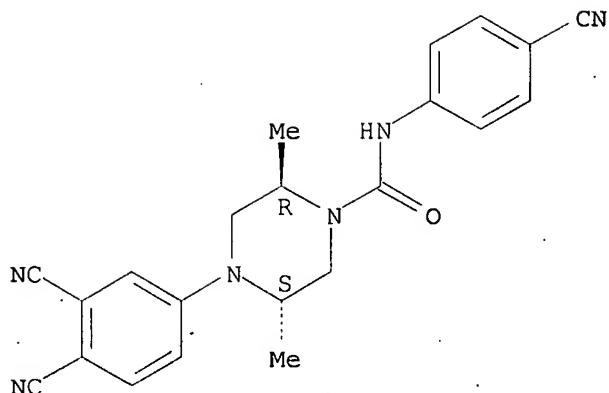


RN 262294-02-0 CAPLUS

CN 1-Piperazinecarboxamide, N-(4-cyanophenyl)-4-(3,4-dicyanophenyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

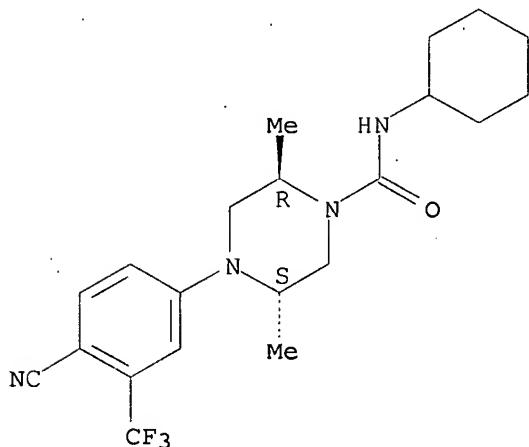
10/513699



RN 262294-08-6 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-cyclohexyl-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

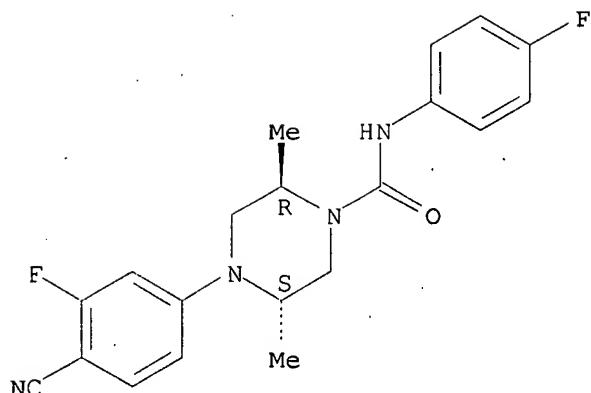


RN 262294-12-2 CAPLUS

CN 1-Piperazinecarboxamide, 4-(4-cyano-3-fluorophenyl)-N-(4-fluorophenyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

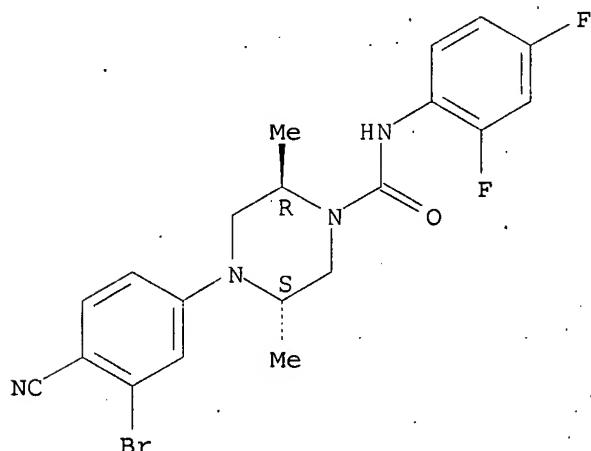
10/513699



RN 262294-13-3 CAPLUS

CN 1-Piperazinecarboxamide, 4-(3-bromo-4-cyanophenyl)-N-(2,4-difluorophenyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

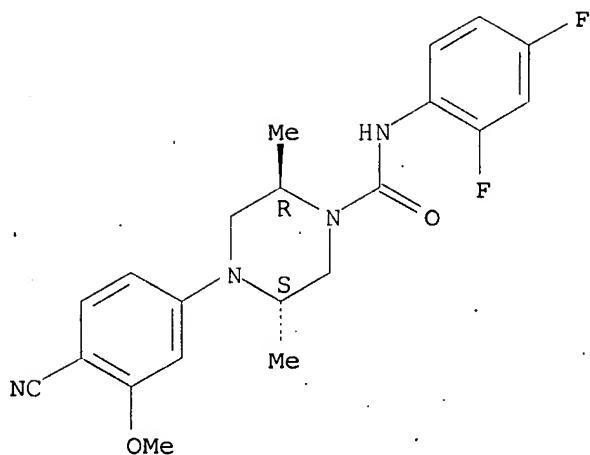


RN 262294-14-4 CAPLUS

CN 1-Piperazinecarboxamide, 4-(4-cyano-3-methoxyphenyl)-N-(2,4-difluorophenyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

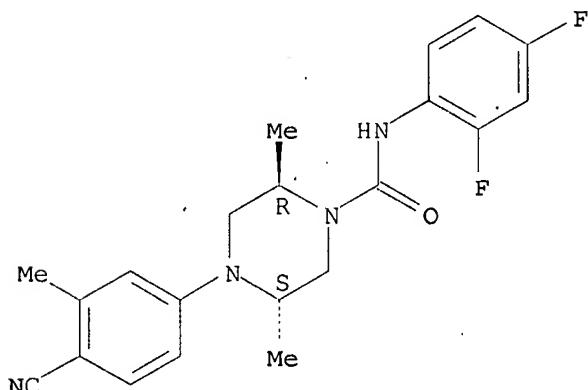
10/513699



RN 262294-15-5 CAPLUS

CN 1-Piperazinecarboxamide, 4-(4-cyano-3-methylphenyl)-N-(2,4-difluorophenyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

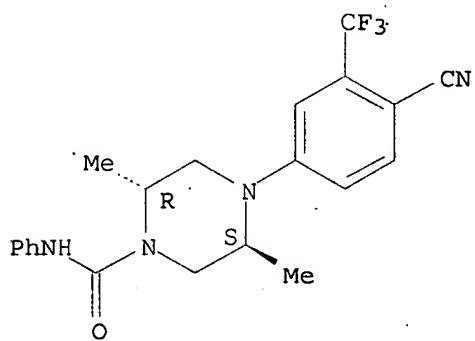
Relative stereochemistry.



RN 262294-21-3 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-phenyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

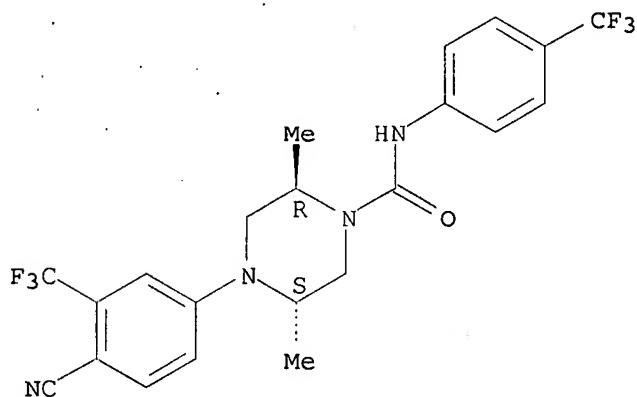


10/513699

RN 262294-22-4 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-[4-(trifluoromethyl)phenyl]-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

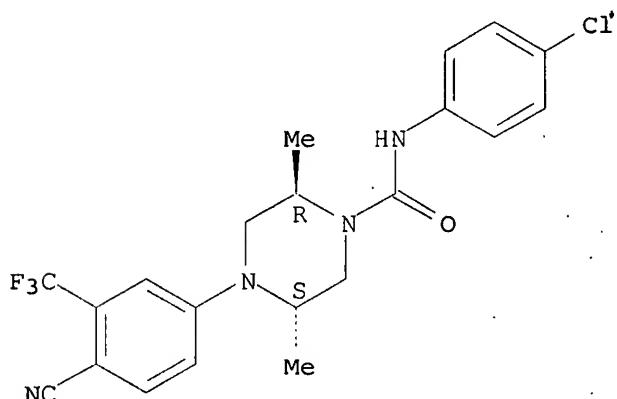
Relative stereochemistry.



RN 262294-23-5 CAPLUS

CN 1-Piperazinecarboxamide, N-(4-chlorophenyl)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

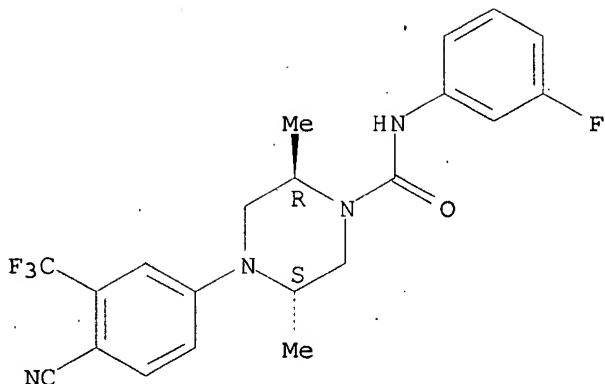


RN 262294-24-6 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(3-fluorophenyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

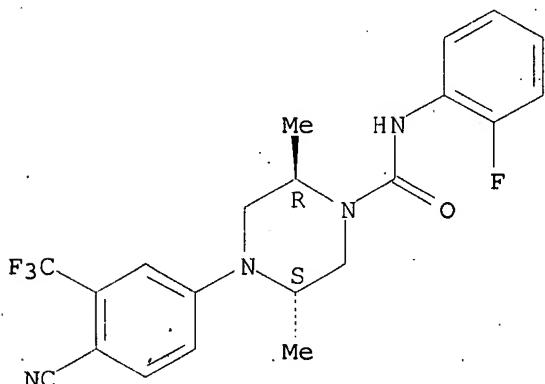
10/513699



RN 262294-25-7 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(2-fluorophenyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

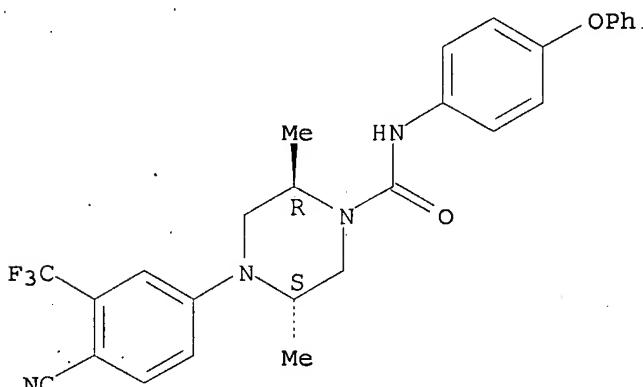
Relative stereochemistry.



RN 262294-27-9 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-(4-phenoxyphenyl)-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

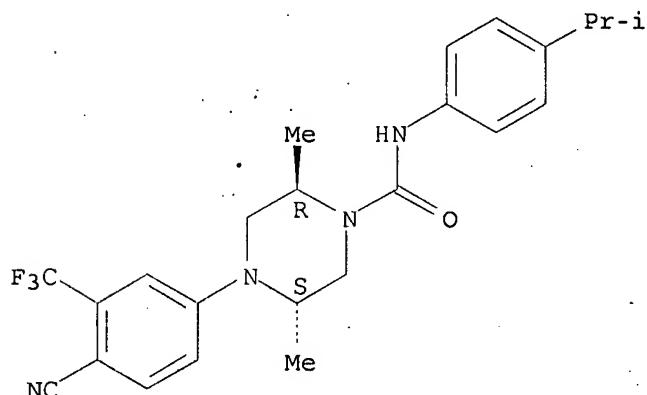


10/513699

RN 262294-28-0 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-[4-(1-methylethyl)phenyl]-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

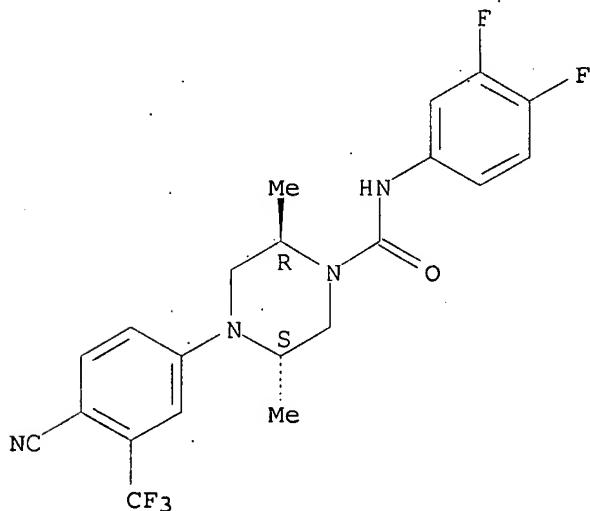
Relative stereochemistry.



RN 262294-29-1 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(3,4-difluorophenyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

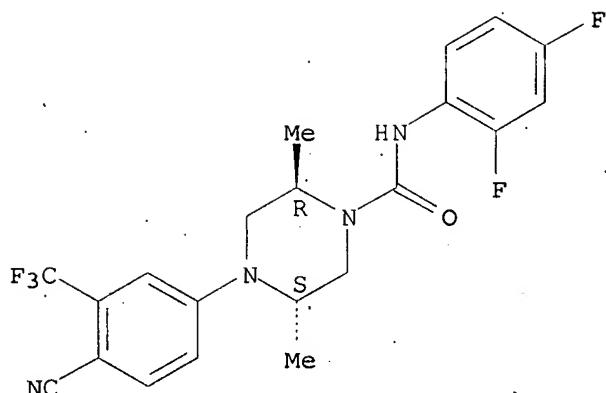


RN 262294-30-4 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(2,4-difluorophenyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

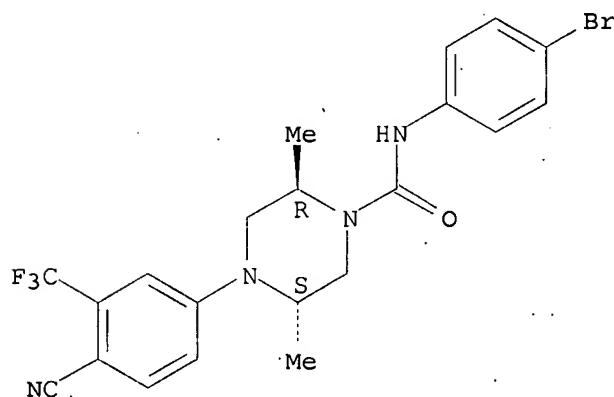
10/513699



RN 262294-31-5 CAPLUS

CN 1-Piperazinecarboxamide, N-(4-bromophenyl)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

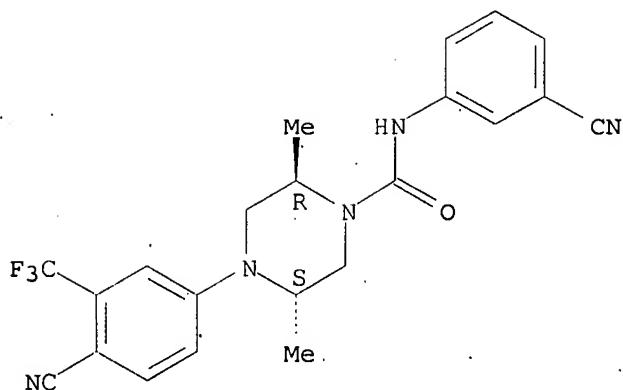


RN 262294-32-6 CAPLUS

CN 1-Piperazinecarboxamide, N-(3-cyanophenyl)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

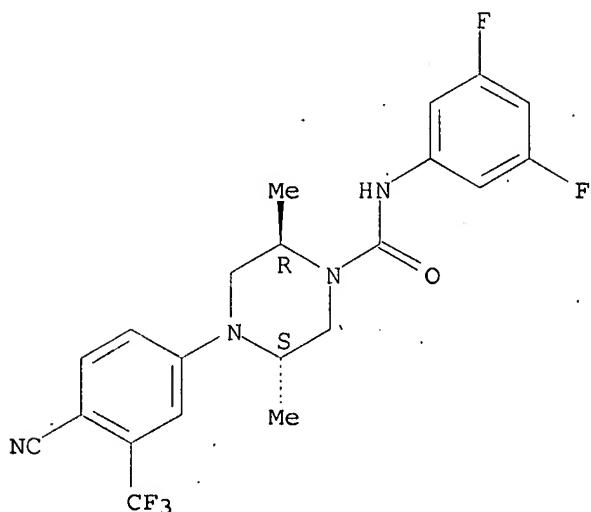
10/513699



RN 262294-34-8 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(3,5-difluorophenyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

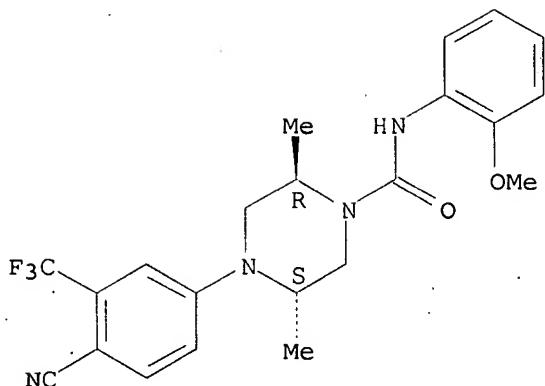


RN 262294-35-9 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(2-methoxyphenyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

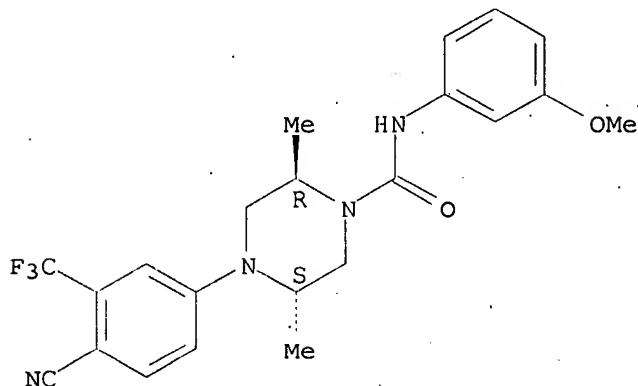
10/513699



RN 262294-36-0 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(3-methoxyphenyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

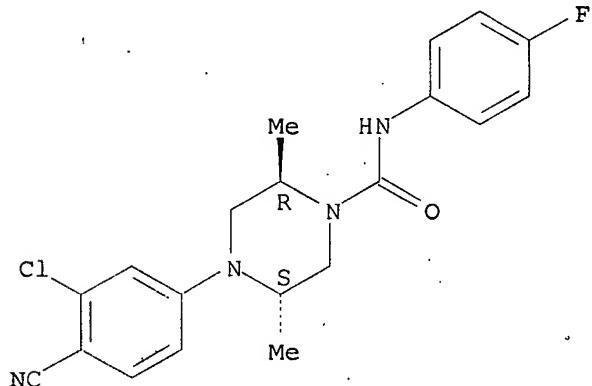
Relative stereochemistry.



RN 262294-37-1 CAPLUS

CN 1-Piperazinecarboxamide, 4-(3-chloro-4-cyanophenyl)-N-(4-fluorophenyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

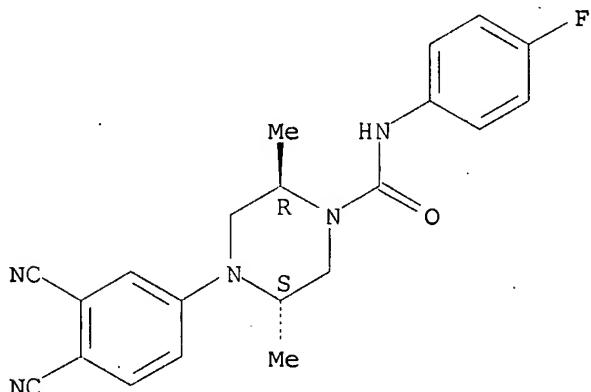


10/513699

RN 262294-38-2 CAPLUS

CN 1-Piperazinecarboxamide, 4-(3,4-dicyanophenyl)-N-(4-fluorophenyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

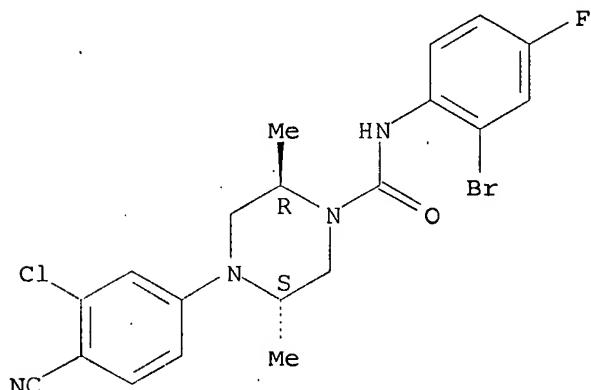
Relative stereochemistry.



RN 262294-42-8 CAPLUS

CN 1-Piperazinecarboxamide, N-(2-bromo-4-fluorophenyl)-4-(3-chloro-4-cyanophenyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

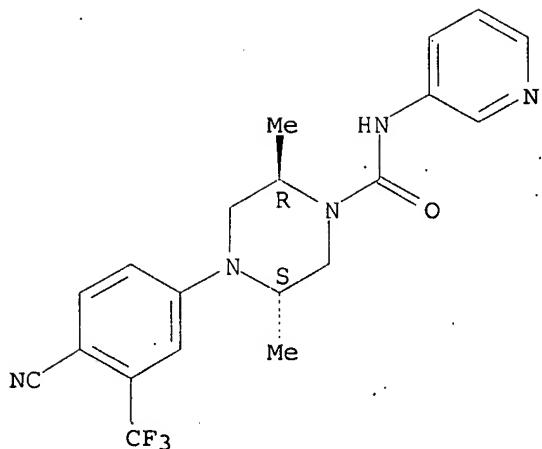


RN 262294-46-2 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-3-pyridinyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

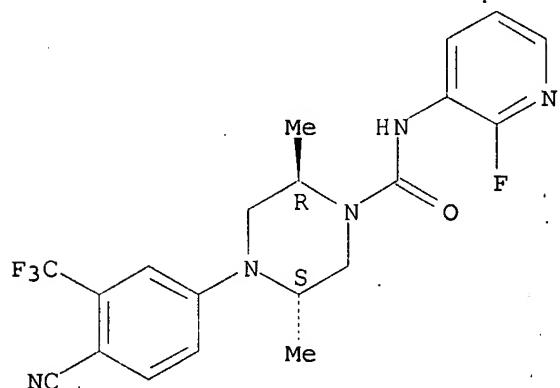
10/513699



RN 262294-47-3 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(2-fluoro-3-pyridinyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

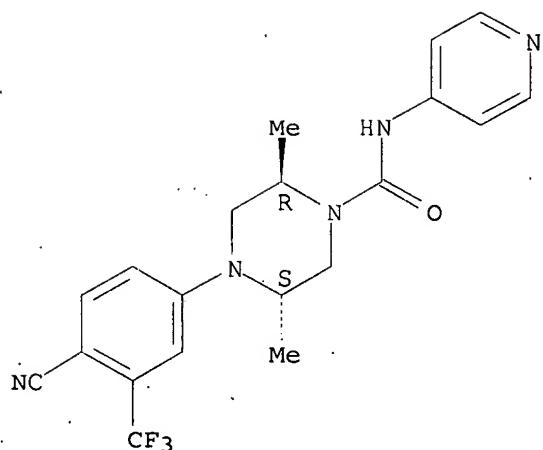


RN 262294-48-4 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-4-pyridinyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

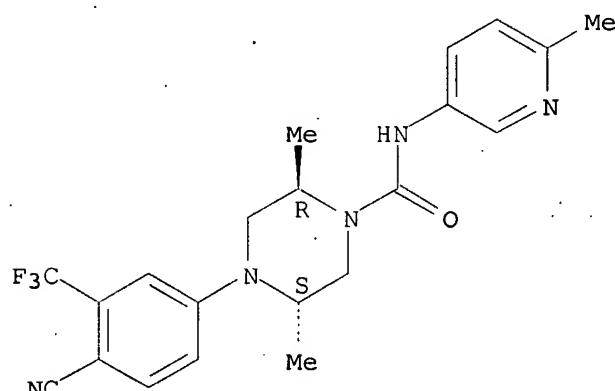
10/513699



RN 262294-49-5 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-(6-methyl-3-pyridinyl)-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

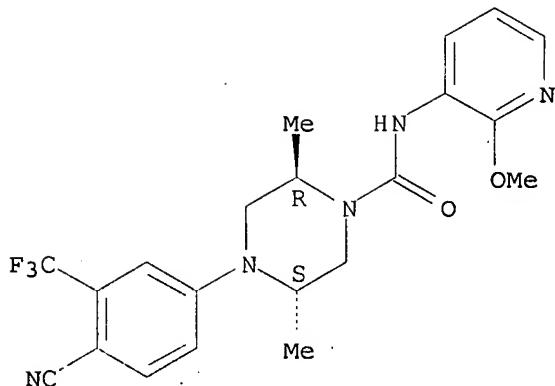


RN 262294-50-8 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(2-methoxy-3-pyridinyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

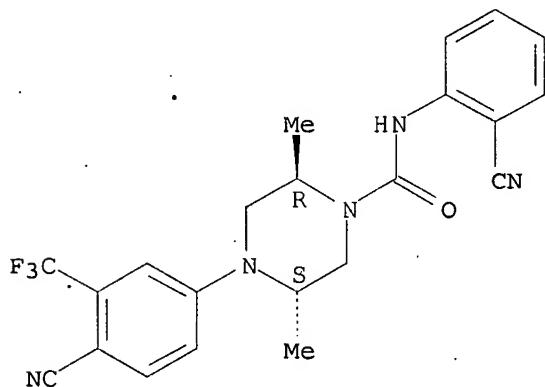
10/513699



RN 262294-51-9 CAPLUS

CN 1-Piperazinecarboxamide, N-(2-cyanophenyl)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

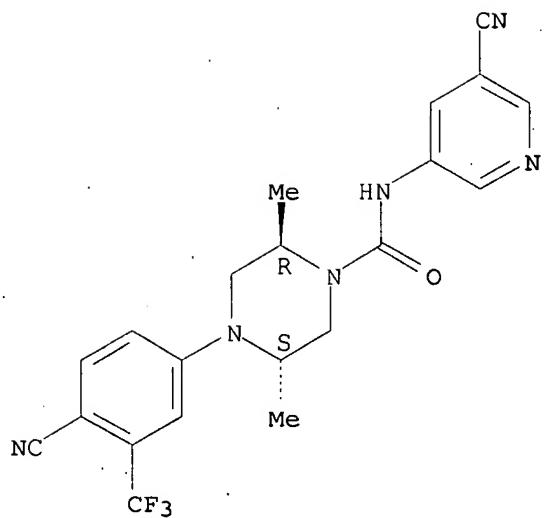


RN 262294-52-0 CAPLUS

CN 1-Piperazinecarboxamide, N-(5-cyano-3-pyridinyl)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

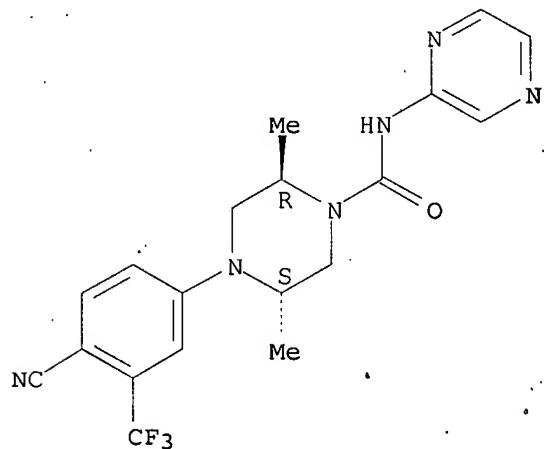
10/513699



RN 262294-55-3 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-pyrazinyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

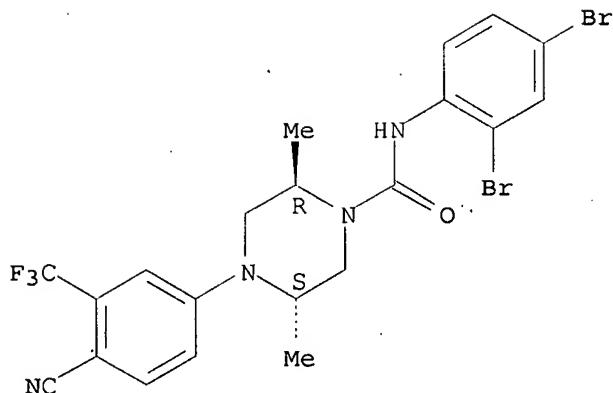


RN 262294-57-5 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(2,4-dibromophenyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

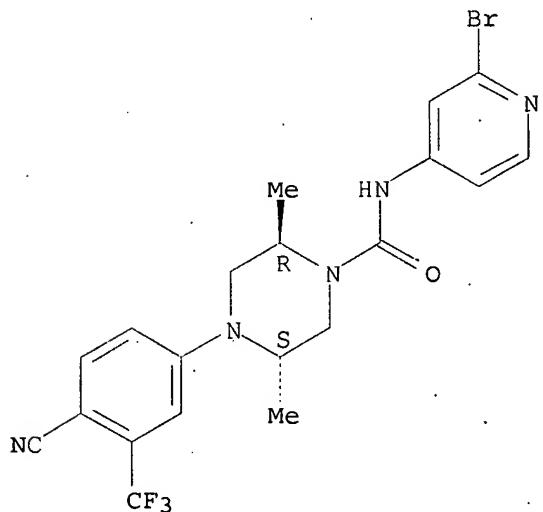
10/513699



RN 262294-61-1 CAPLUS

CN 1-Piperazinecarboxamide, N-(2-bromo-4-pyridinyl)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

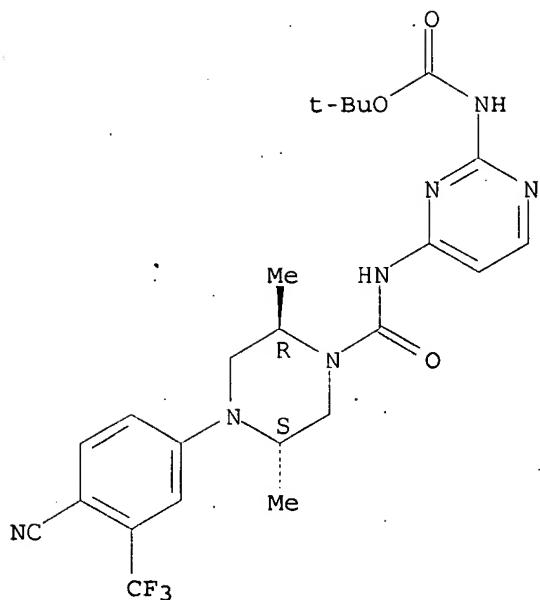


RN 262294-62-2 CAPLUS

CN Carbamic acid, [4-[[[(2R,5S)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-1-piperazinyl]carbonyl]amino]-2-pyrimidinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

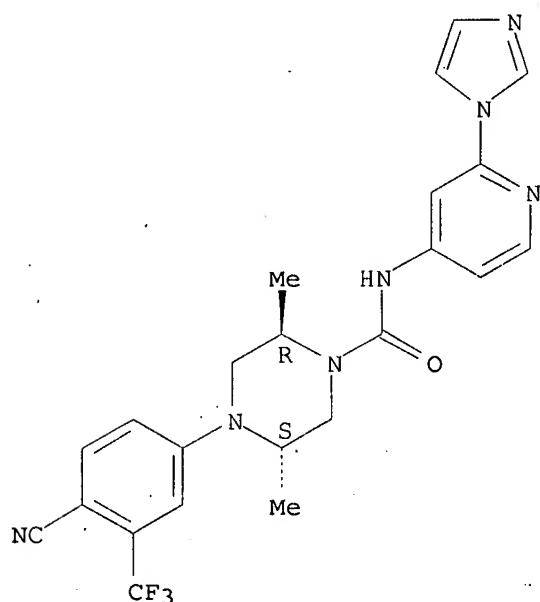
10/513699



RN 262294-63-3 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-[2-(1H-imidazol-1-yl)-4-pyridinyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

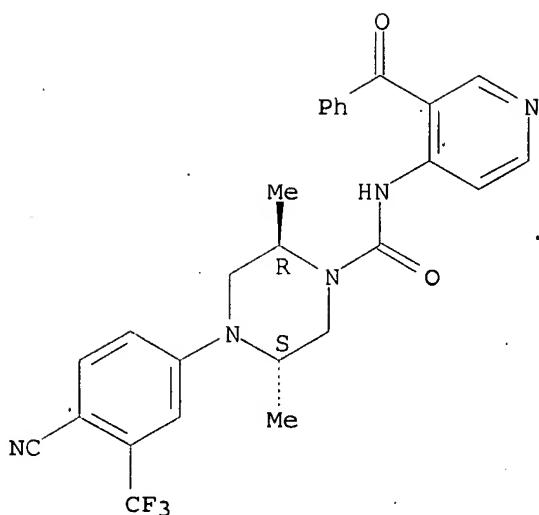


RN 262294-64-4 CAPLUS

CN 1-Piperazinecarboxamide, N-(3-benzoyl-4-pyridinyl)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

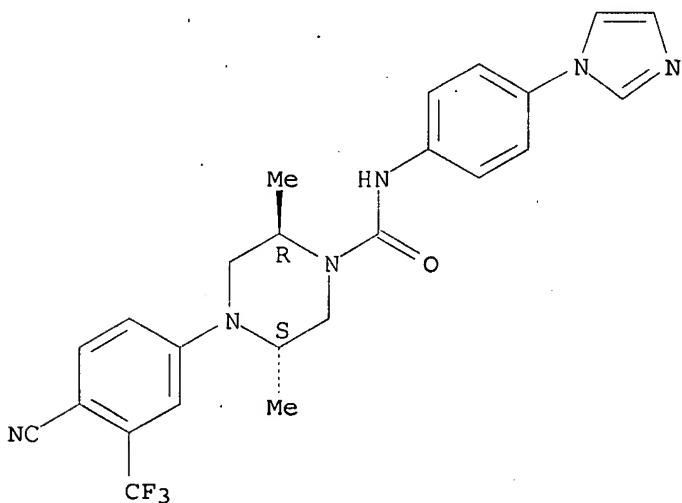
10/513699



RN 262294-66-6 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-[4-(1H-imidazol-1-yl)phenyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

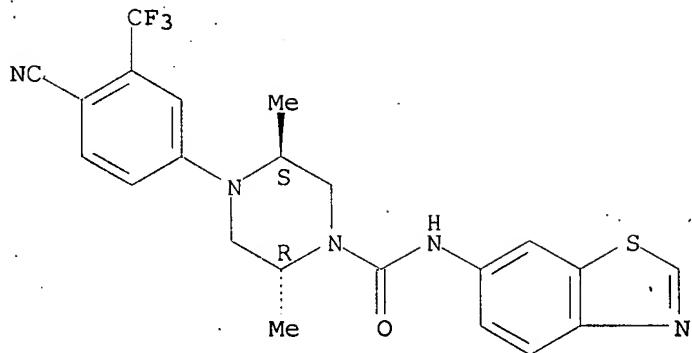


RN 262294-70-2 CAPLUS

CN 1-Piperazinecarboxamide, N-6-benzothiazolyl-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

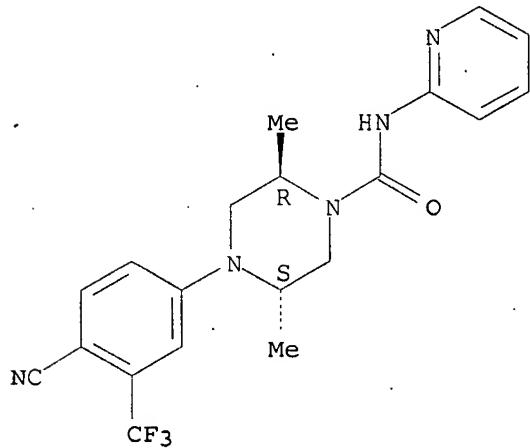
10/513699



RN 262294-72-4 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-(2-pyridinyl)-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

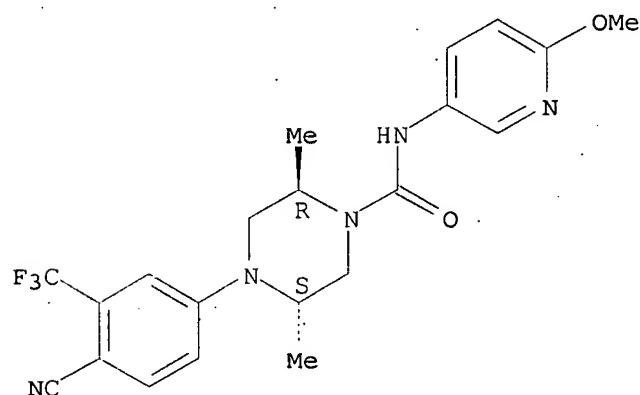
Relative stereochemistry.



RN 262294-73-5 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(6-methoxy-3-pyridinyl)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

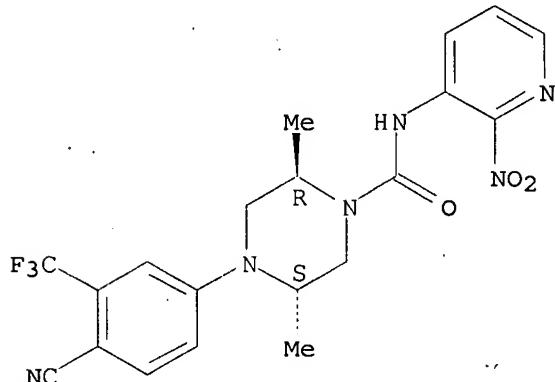


10/513699

RN 262294-75-7 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-(2-nitro-3-pyridinyl)-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

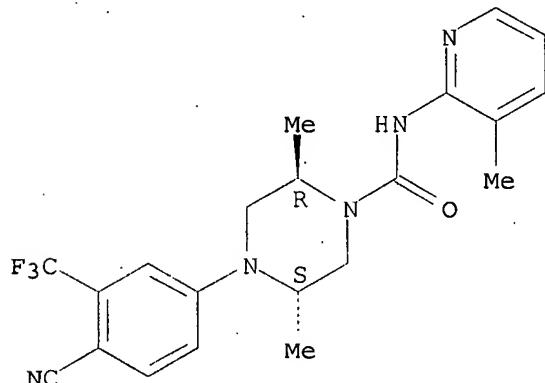
Relative stereochemistry.



RN 262294-76-8 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-(3-methyl-2-pyridinyl)-, monohydrochloride, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



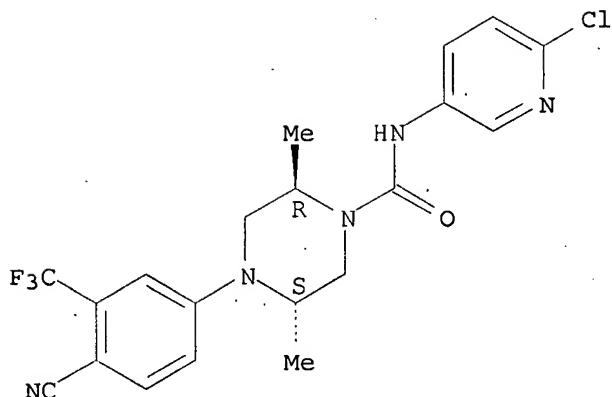
● HCl

RN 262294-83-7 CAPLUS

CN 1-Piperazinecarboxamide, N-(6-chloro-3-pyridinyl)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

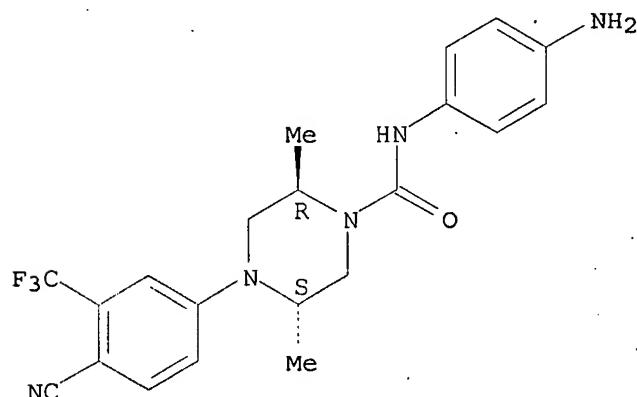
10/513699



RN 262294-90-6 CAPLUS

CN 1-Piperazinecarboxamide, N-(4-aminophenyl)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

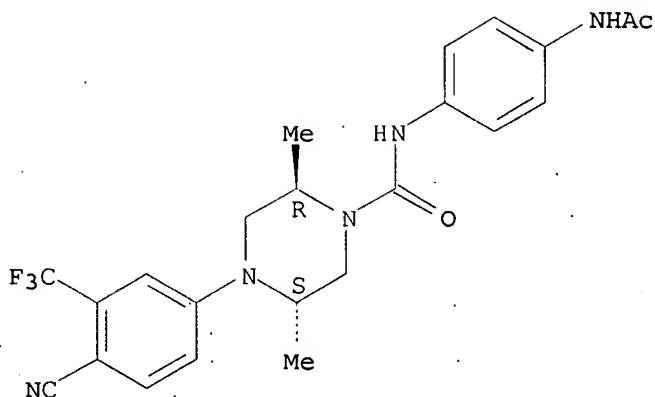


RN 262294-91-7 CAPLUS

CN 1-Piperazinecarboxamide, N-[4-(acetylamino)phenyl]-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

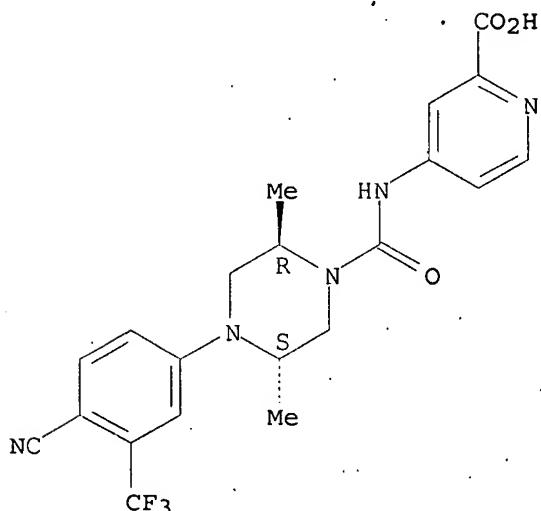
10/513699



RN 262294-92-8 CAPLUS

CN 2-Pyridinecarboxylic acid, 4-[[[(2R,5S)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-1-piperazinyl]carbonyl]amino]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

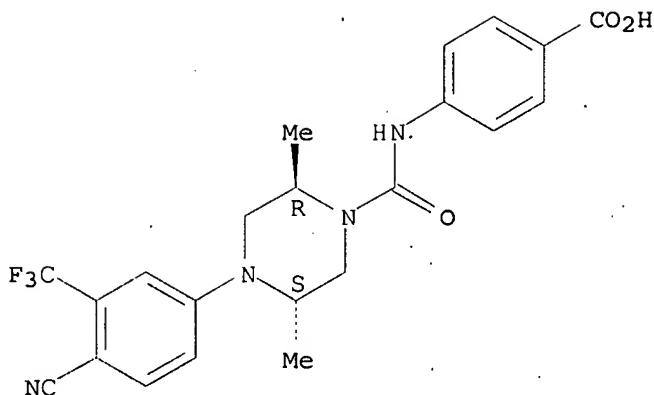


RN 262294-93-9 CAPLUS

CN Benzoic acid, 4-[[[(2R,5S)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-1-piperazinyl]carbonyl]amino]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

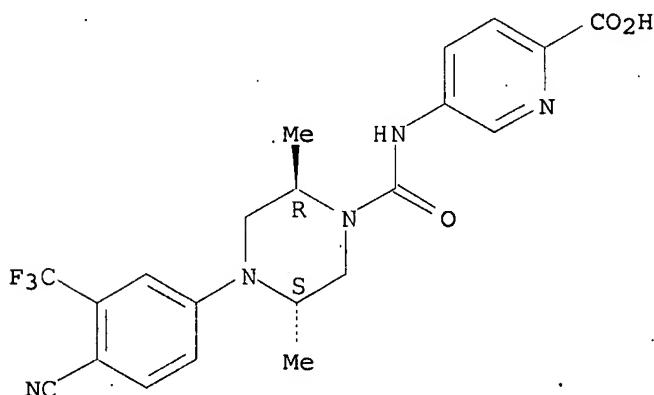
10/513699



RN 262294-94-0 CAPLUS

CN 2-Pyridinecarboxylic acid, 5-[[[(2R,5S)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-1-piperazinyl]carbonyl]amino]-, rel-(9CI) (CA INDEX NAME)

Relative stereochemistry.

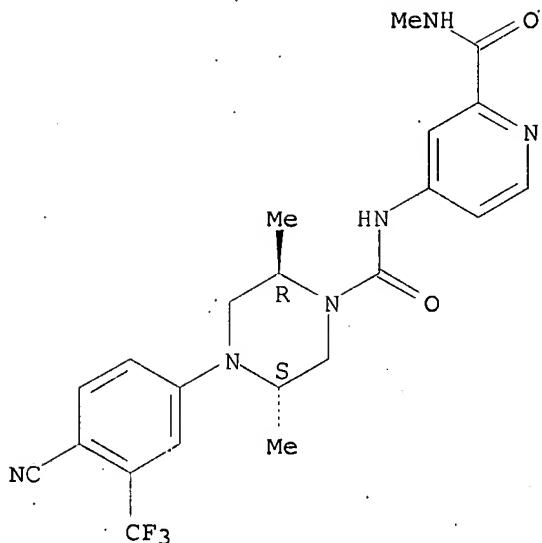


RN 262294-95-1 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-[2-[(methylamino)carbonyl]-4-pyridinyl]-, (2R,5S)-rel-(9CI) (CA INDEX NAME)

Relative stereochemistry.

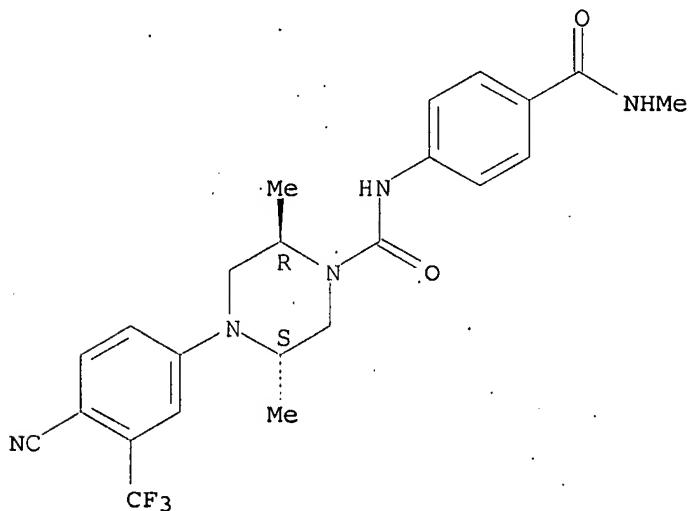
10/513699



RN 262294-96-2 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-[4-[(methylamino)carbonyl]phenyl]-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

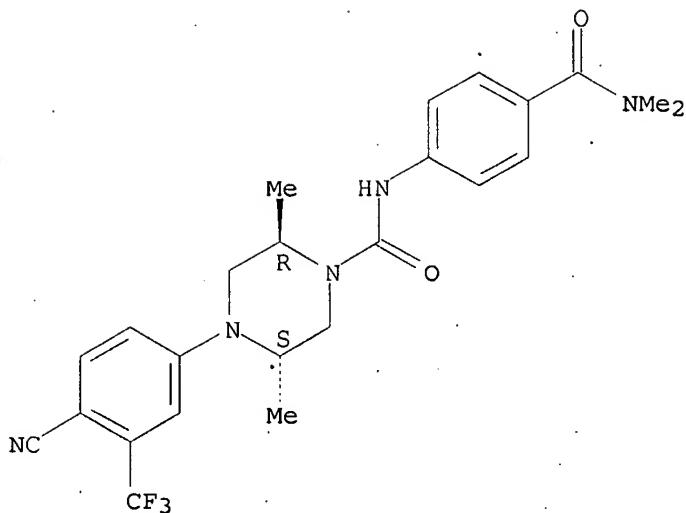


RN 262294-97-3 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-[4-[(dimethylamino)carbonyl]phenyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

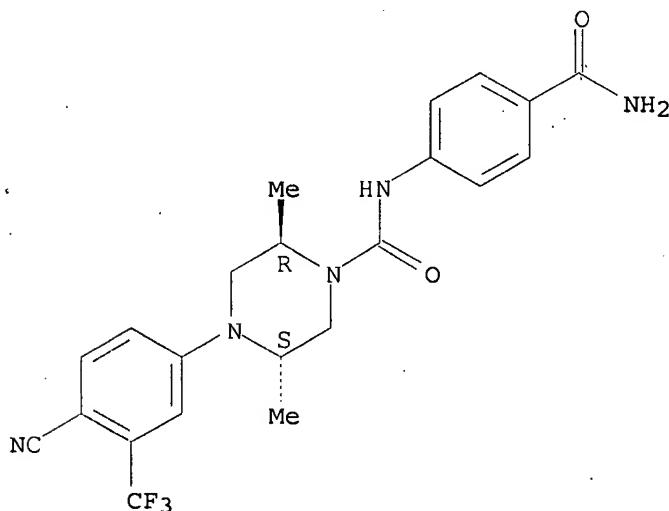
10/513699



RN 262294-98-4 CAPLUS

CN 1-Piperazinecarboxamide, N-[4-(aminocarbonyl)phenyl]-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

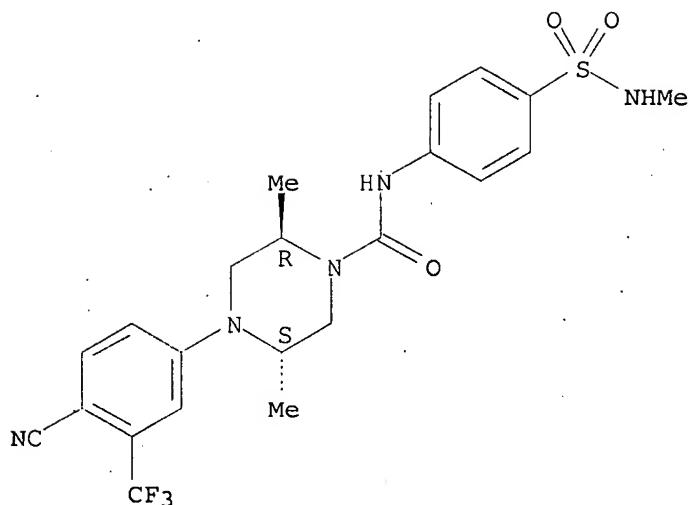


RN 262294-99-5 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-[4-[(methylamino)sulfonyl]phenyl]-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

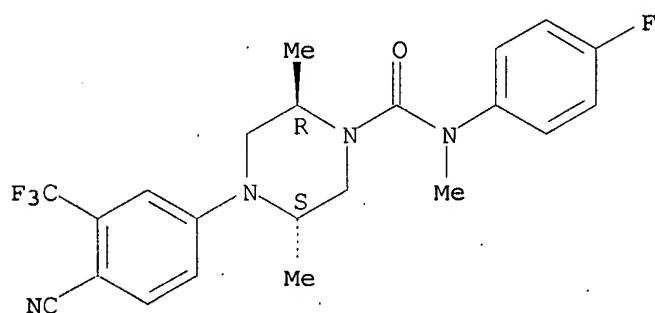
10/513699



RN 262295-00-1 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(4-fluorophenyl)-N,2,5-trimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

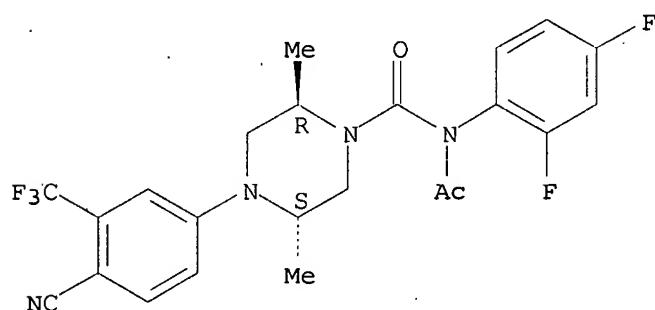
Relative stereochemistry.



RN 262295-01-2 CAPLUS

CN 1-Piperazinecarboxamide, N-acetyl-4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(2,4-difluorophenyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 262295-04-5 CAPLUS

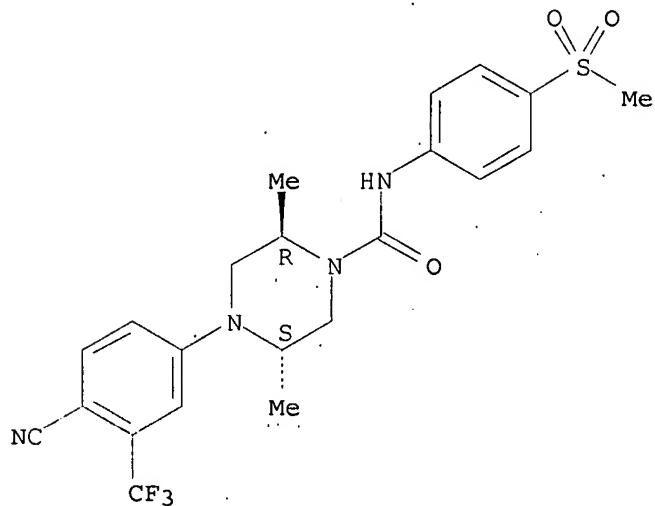
<12/04/2007>

Erich Leese

10/513699

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-[4-(methylsulfonyl)phenyl]-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

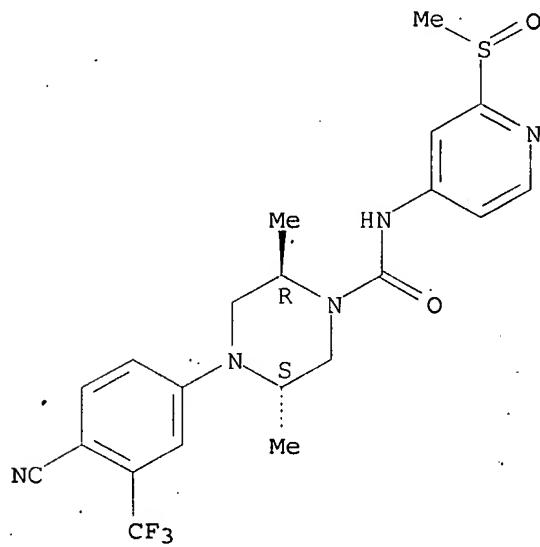
Relative stereochemistry.



RN 262295-05-6 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-[2-(methylsulfinyl)-4-pyridinyl]-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

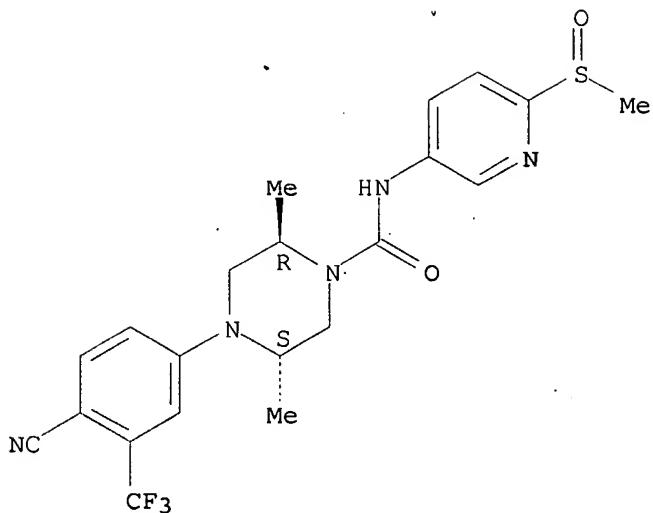


RN 262295-06-7 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-[6-(methylsulfinyl)-3-pyridinyl]-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

10/513699

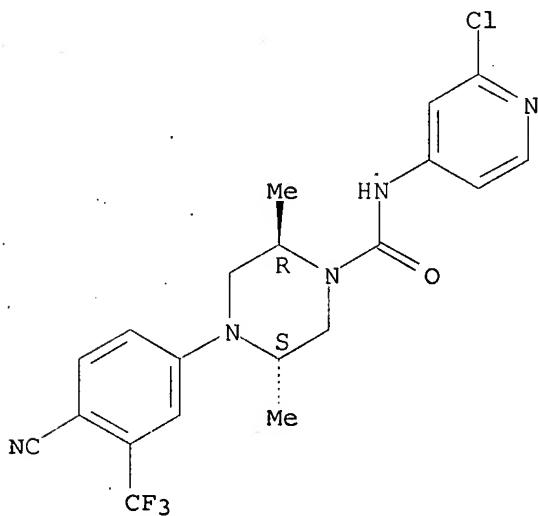
Relative stereochemistry.



RN 262295-08-9 CAPLUS

CN 1-Piperazinecarboxamide, N-(2-chloro-4-pyridinyl)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

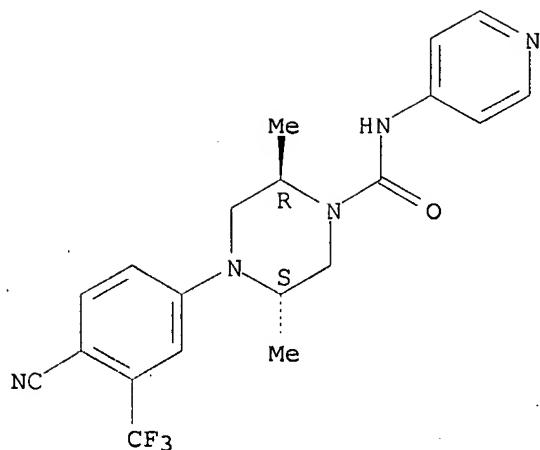


RN 262295-09-0 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-4-pyridinyl-, monohydrochloride, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

10/513699

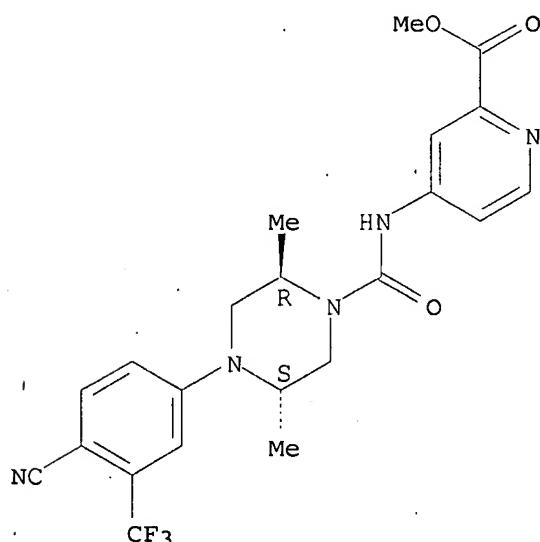


● HCl

RN 262295-10-3 CAPLUS

CN 2-Pyridinecarboxylic acid, 4-[[[(2R,5S)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-1-piperazinyl]carbonyl]amino]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

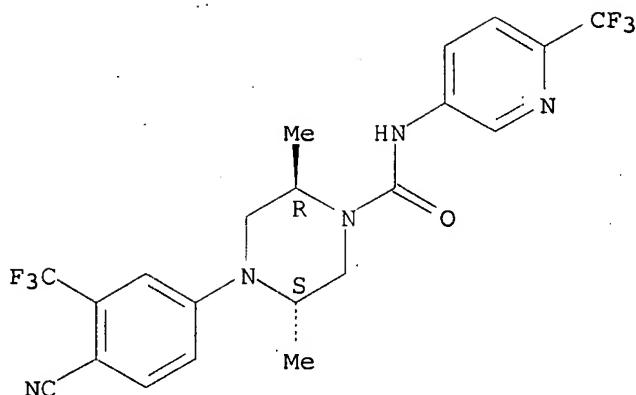


RN 262295-11-4 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-[6-(trifluoromethyl)-3-pyridinyl]-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

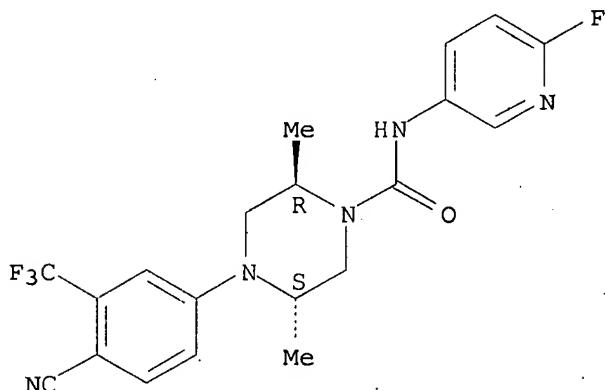
10/513699



RN 262295-12-5 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(6-fluoro-3-pyridinyl)-2,5-dimethyl-, (2R,5S)- (9CI). (CA INDEX NAME)

Absolute stereochemistry.

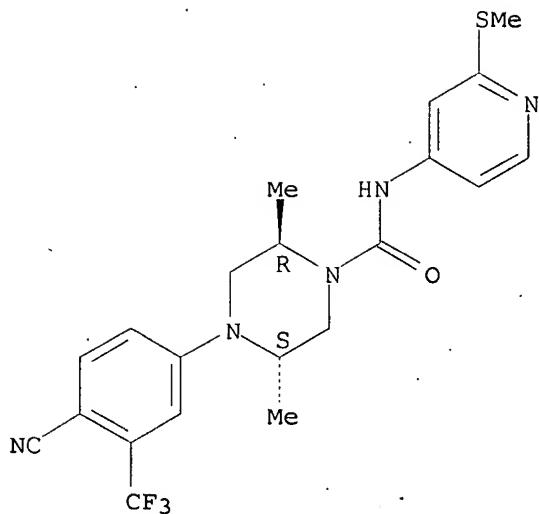


RN 262295-13-6 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-[2-(methylthio)-4-pyridinyl]-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

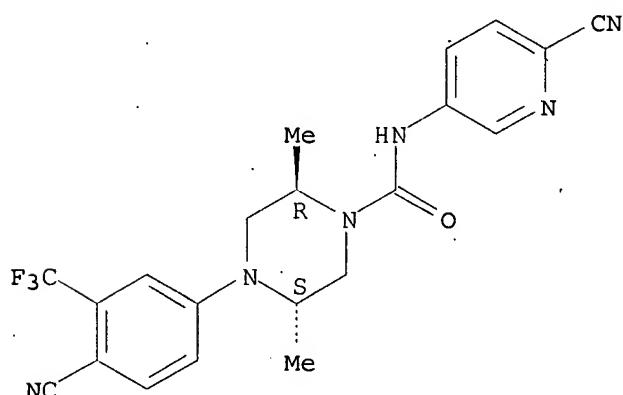
10/513699



RN 262295-14-7 CAPLUS

CN 1-Piperazinecarboxamide, N-(6-cyano-3-pyridinyl)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

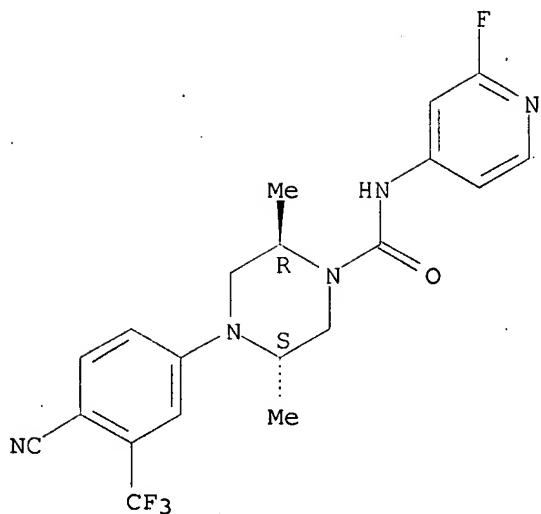


RN 262295-15-8 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(2-fluoro-4-pyridinyl)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

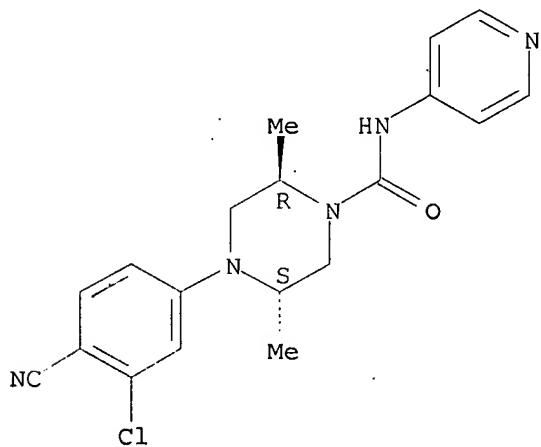
10/513699



RN 262295-16-9 CAPLUS

CN 1-Piperazinecarboxamide, 4-(3-chloro-4-cyanophenyl)-2,5-dimethyl-N-4-pyridinyl-, monohydrochloride, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



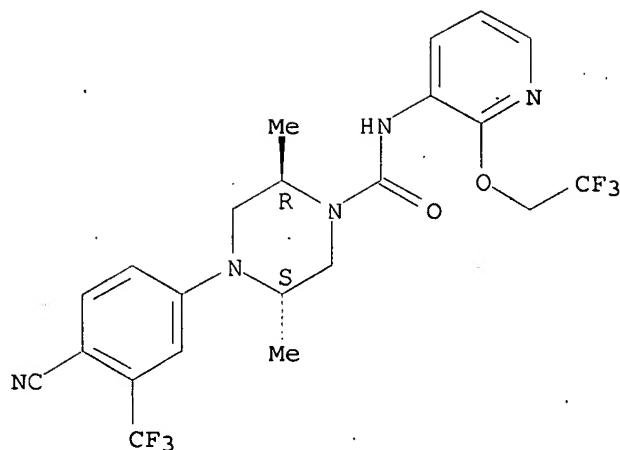
● HCl

RN 262295-17-0 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-[2-(2,2,2-trifluoroethoxy)-3-pyridinyl]-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

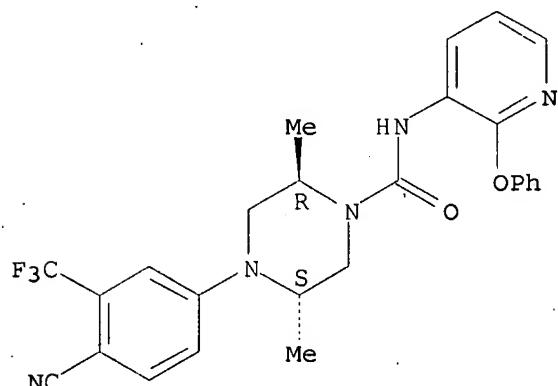
10/513699



RN 262295-18-1 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-(2-phenoxy-3-pyridinyl)-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

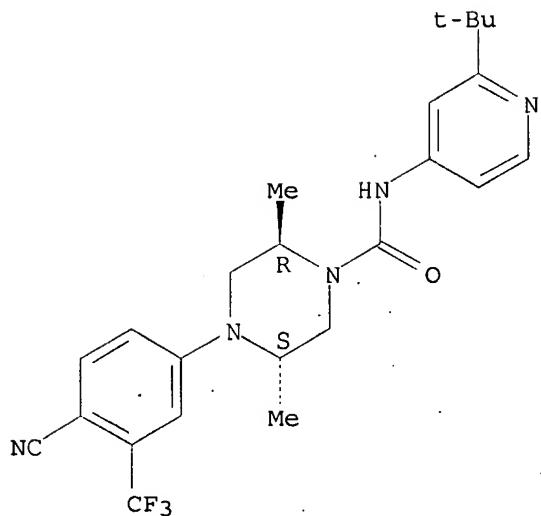


RN 262295-19-2 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-[2-(1,1-dimethylethyl)-4-pyridinyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

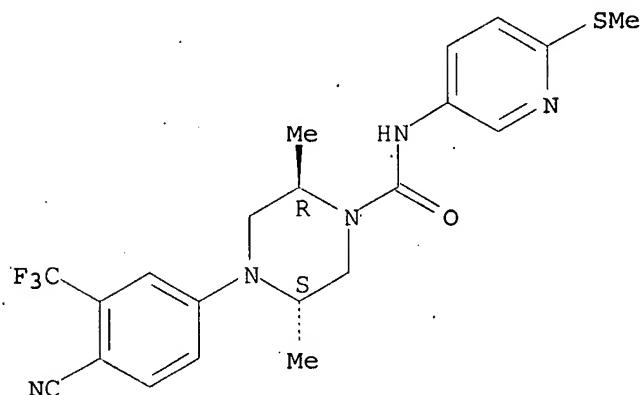
10/513699



RN 262295-20-5 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-[6-(methylthio)-3-pyridinyl]-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

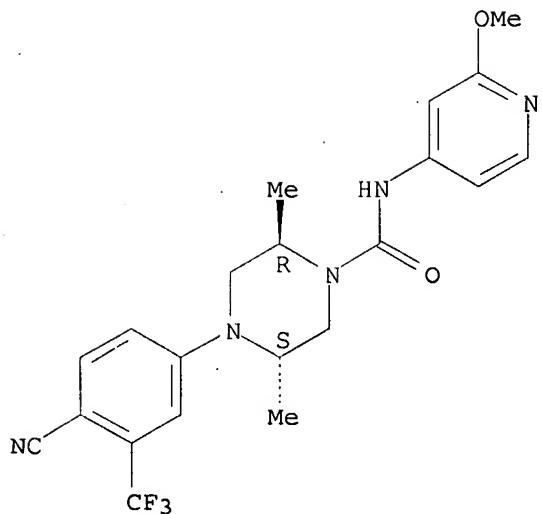


RN 262295-24-9 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(2-methoxy-4-pyridinyl)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

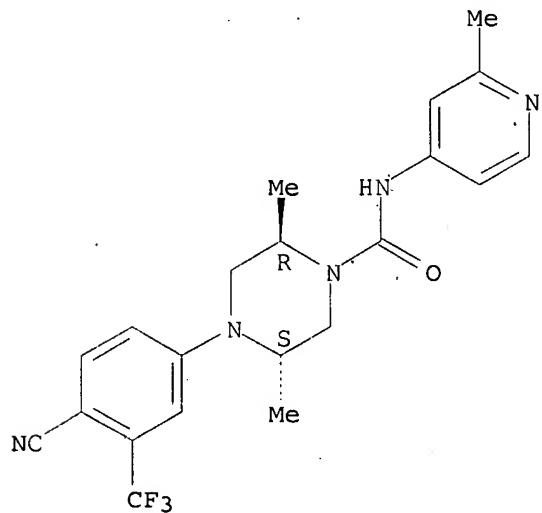
10/513699



RN 262295-25-0 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-(2-methyl-4-pyridinyl)-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

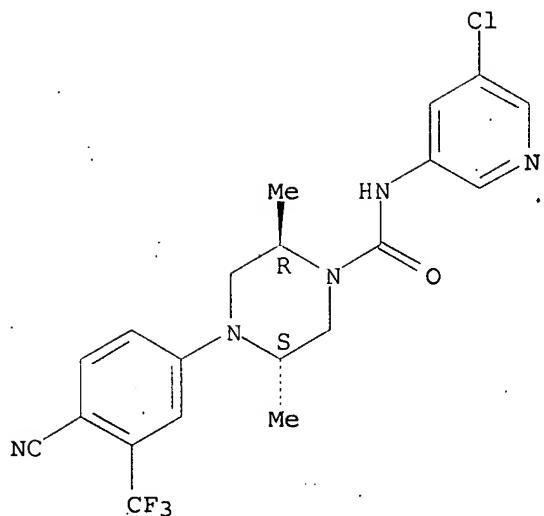


RN 262295-28-3 CAPLUS

CN 1-Piperazinecarboxamide, N-(5-chloro-3-pyridinyl)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

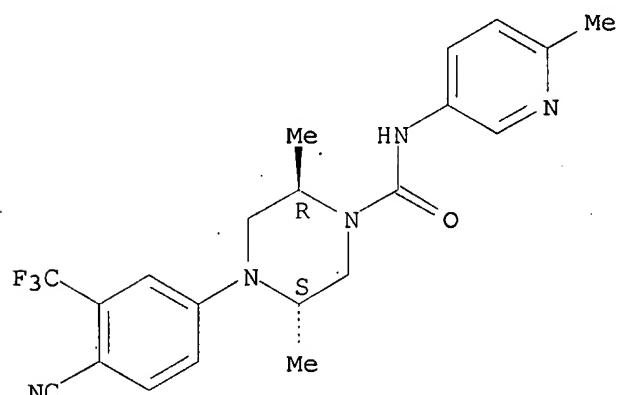
10/513699



RN 262295-29-4 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-(6-methyl-3-pyridinyl)-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

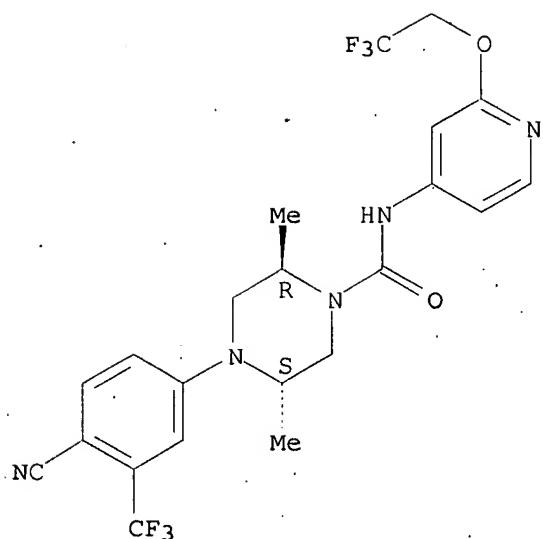


RN 262295-30-7 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-[2-(2,2,2-trifluoroethoxy)-4-pyridinyl]-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

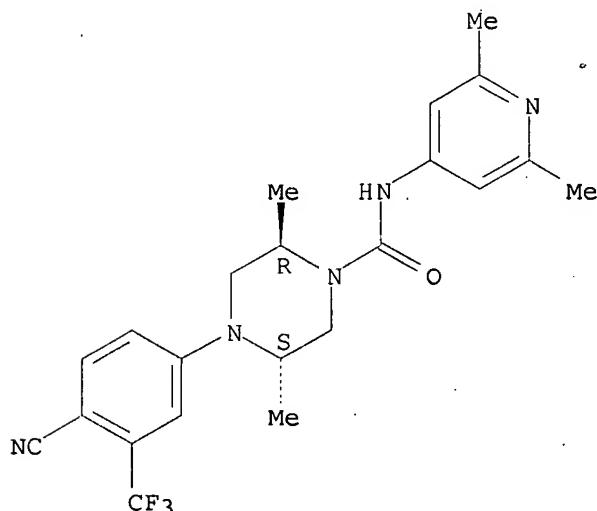
10/513699



RN 262295-31-8 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(2,6-dimethyl-4-pyridinyl)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

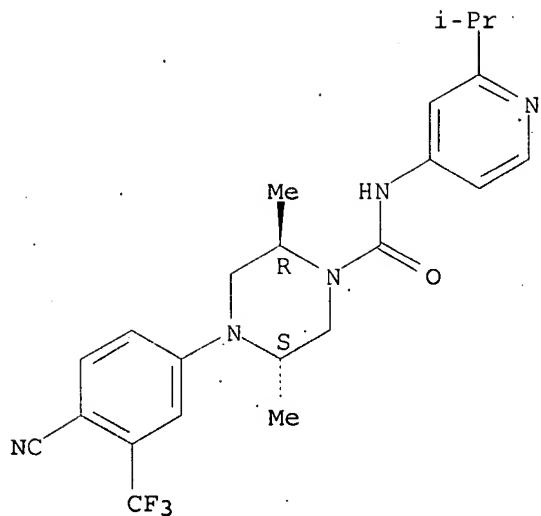


RN 262295-32-9 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-[2-(1-methylethyl)-4-pyridinyl]-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

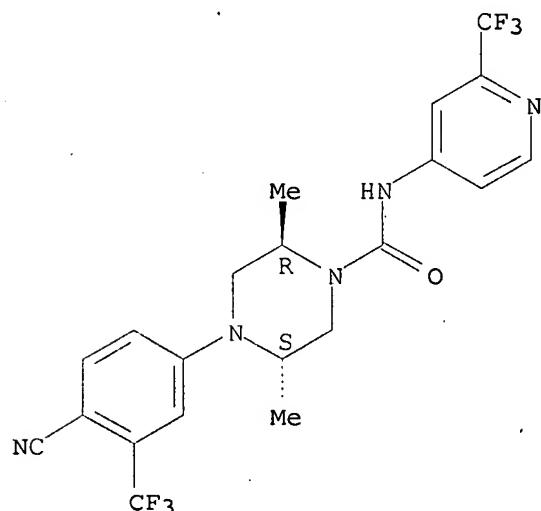
10/513699



RN 262295-33-0 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-[2-(trifluoromethyl)-4-pyridinyl]-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

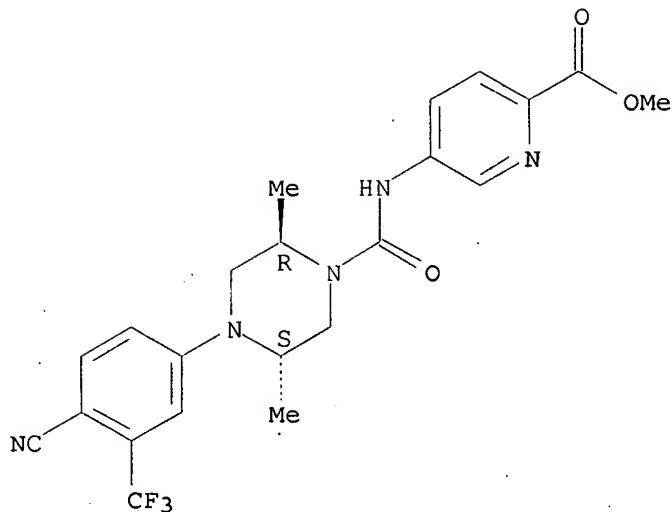


RN 262295-36-3 CAPLUS

CN 2-Pyridinecarboxylic acid, 5-[[[(2R,5S)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-1-piperazinyl]carbonyl]amino]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

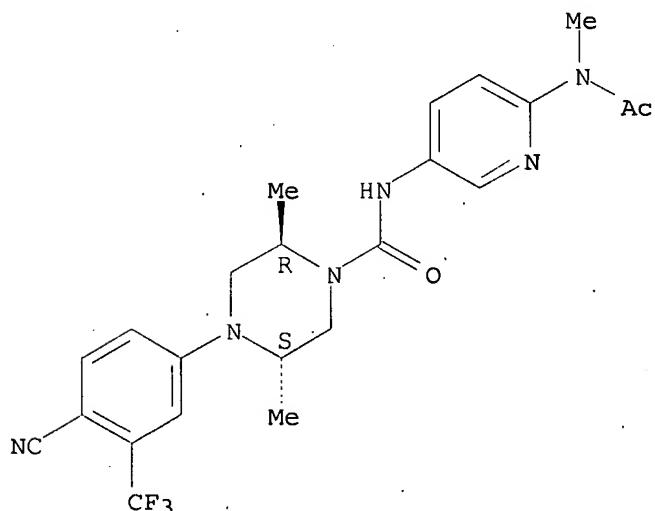
10/513699



RN 262295-38-5 CAPLUS

CN 1-Piperazinecarboxamide, N-[6-(acetyl methylamino)-3-pyridinyl]-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

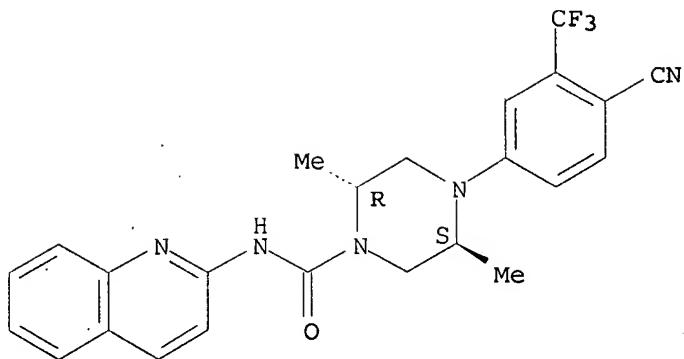


RN 262295-39-6 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-2-quinolinyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

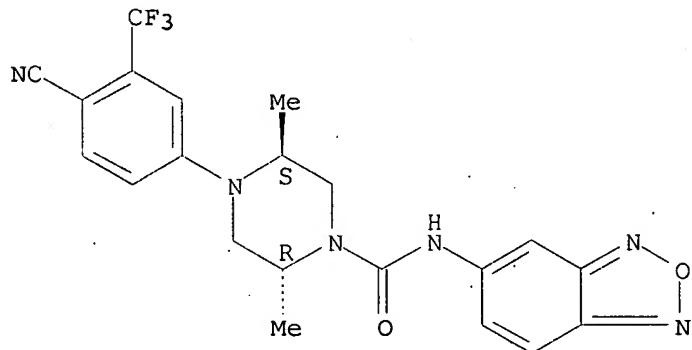
10/513699



RN 262295-40-9 CAPLUS

CN 1-Piperazinecarboxamide, N-2,1,3-benzoxadiazol-5-yl-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

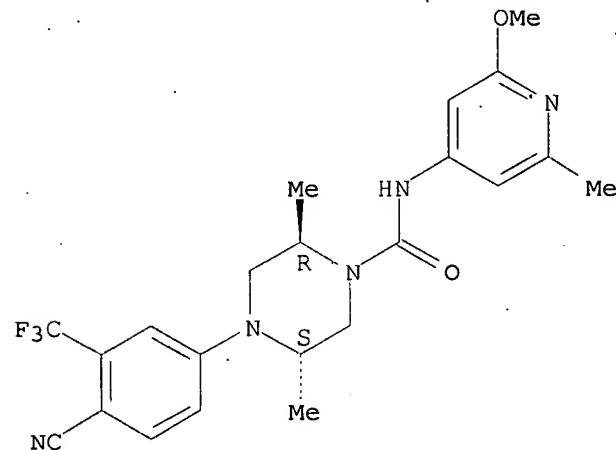
Absolute stereochemistry.



RN 262295-41-0 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(2-methoxy-6-methyl-4-pyridinyl)-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

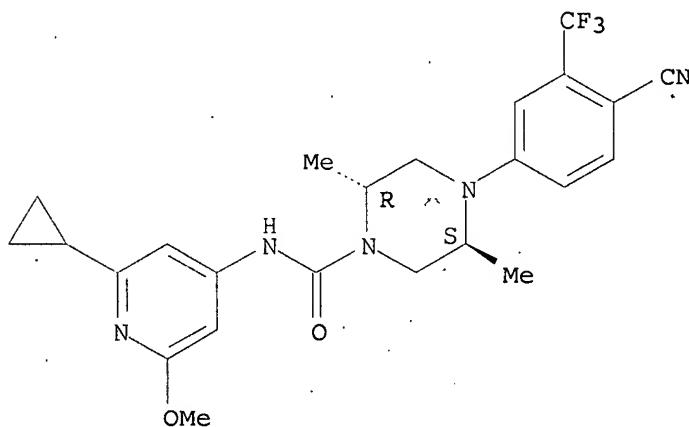


10/513699

RN 262295-42-1 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(2-cyclopropyl-6-methoxy-4-pyridinyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

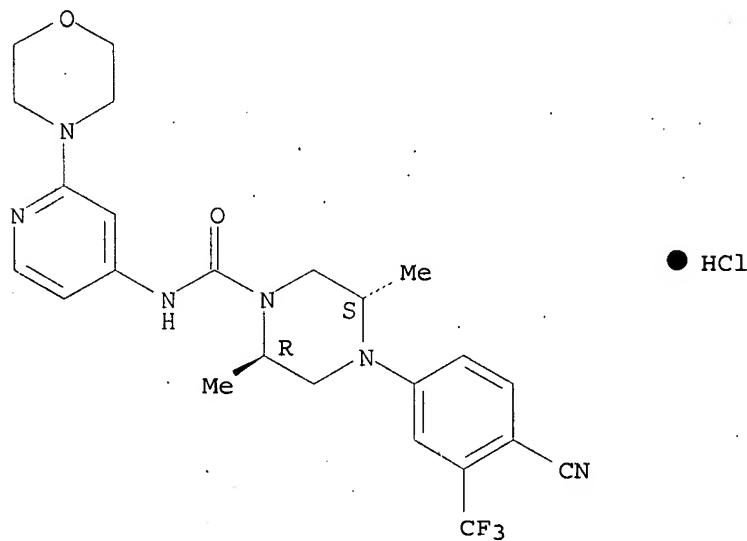
Relative stereochemistry.



RN 262295-43-2 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-[2-(4-morpholinyl)-4-pyridinyl]-, monohydrochloride, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

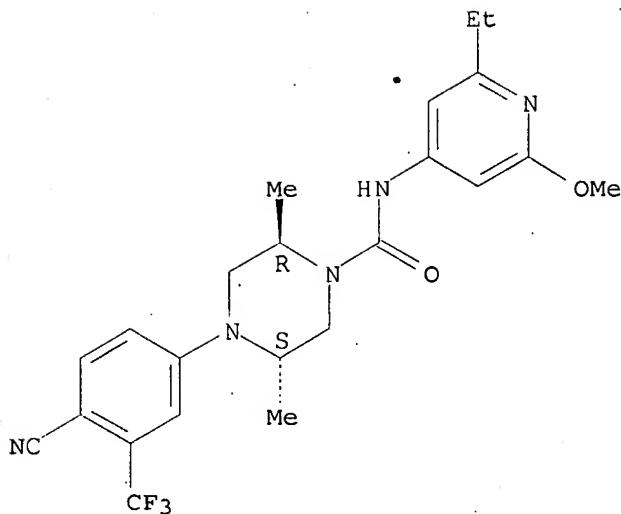


RN 262295-44-3 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-N-(2-ethyl-6-methoxy-4-pyridinyl)-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

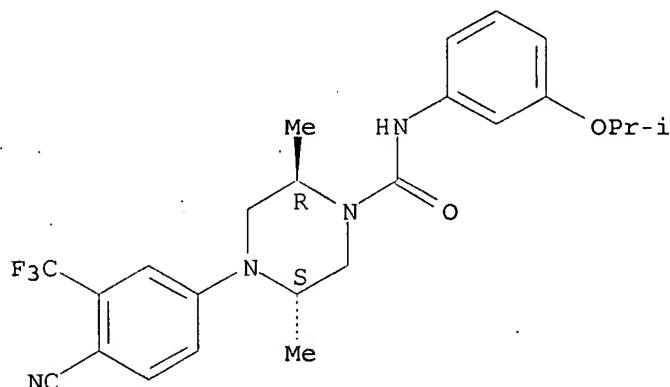
10/513699



RN 262295-45-4 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-[3-(1-methylethoxy)phenyl]-, monohydrochloride, (2R,5S)-rel-(9CI) (CA INDEX NAME)

Relative stereochemistry.



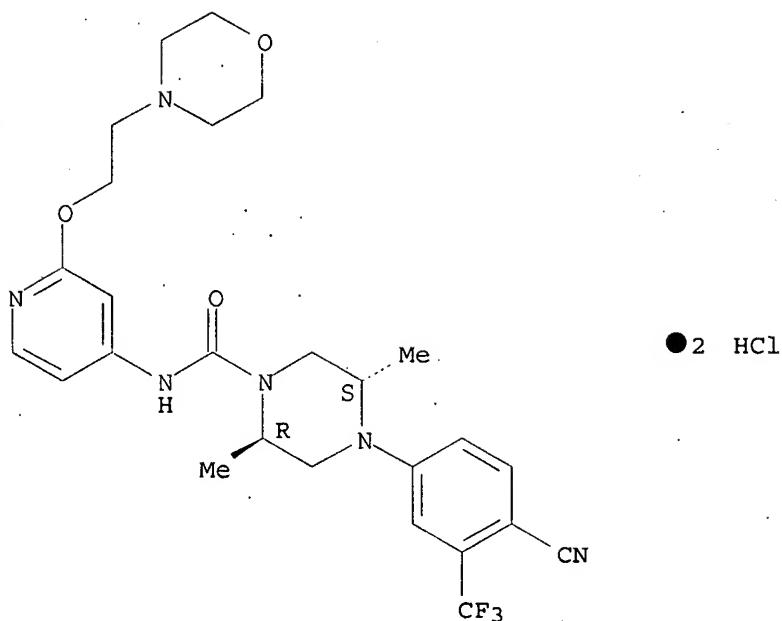
● HCl

RN 262295-46-5 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-[2-[2-(4-morpholinyl)ethoxy]-4-pyridinyl]-, dihydrochloride, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

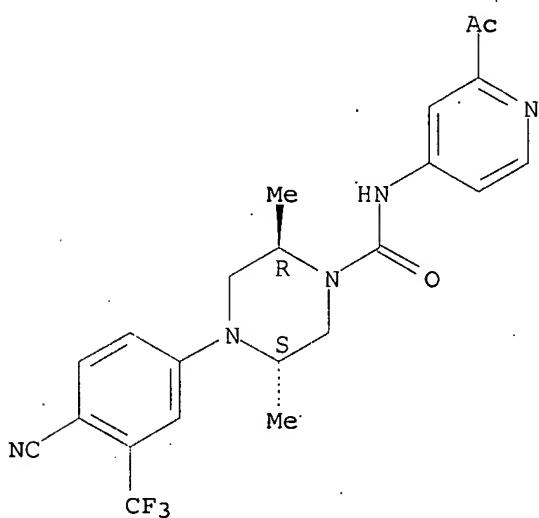
10/513699



RN 262295-47-6 CAPLUS

CN 1-Piperazinecarboxamide, N-(2-acetyl-4-pyridinyl)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S) - (9CI) (CA INDEX NAME)

Absolute stereochemistry.

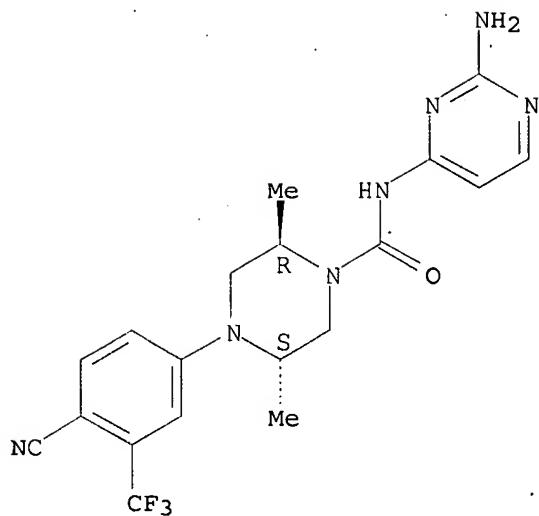


RN 262295-48-7 CAPLUS

CN 1-Piperazinecarboxamide, N-(2-amino-4-pyrimidinyl)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S) - (9CI) (CA INDEX NAME)

Absolute stereochemistry.

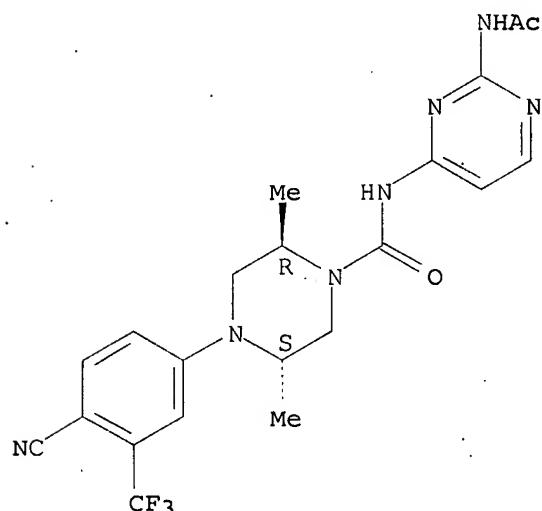
10/513699



RN 262295-49-8 CAPLUS

CN 1-Piperazinecarboxamide, N-[2-(acetylamino)-4-pyrimidinyl]-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI). (CA INDEX NAME)

Relative stereochemistry.

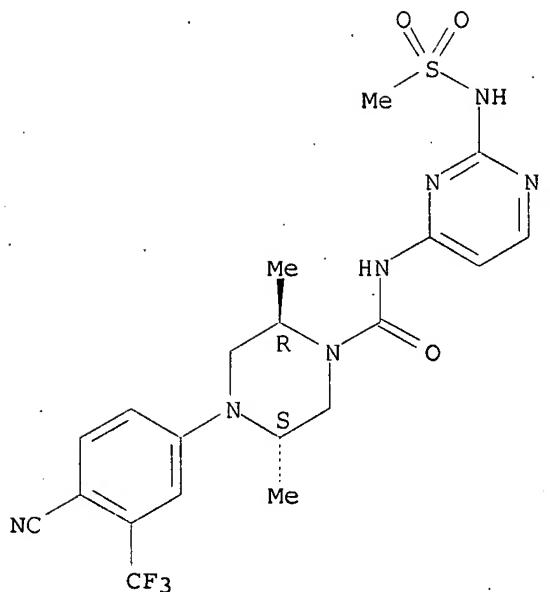


RN 262295-50-1 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-[2-[(methylsulfonyl)amino]-4-pyrimidinyl]-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

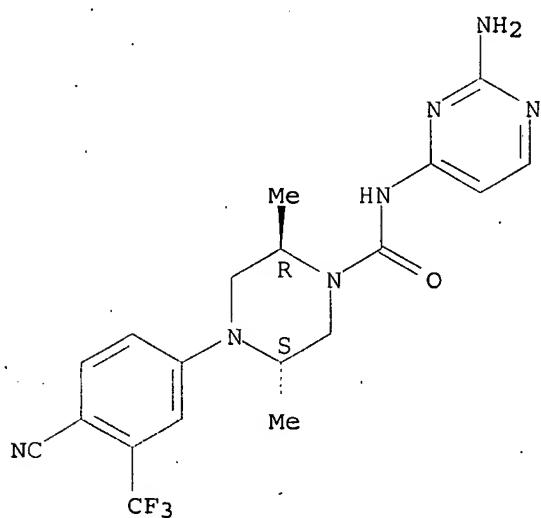
10/513699



RN 262295-51-2 CAPLUS

CN 1-Piperazinecarboxamide, N-(2-amino-4-pyrimidinyl)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

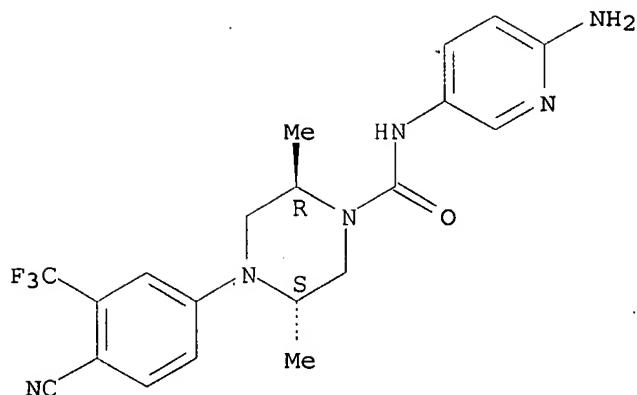


RN 262295-52-3 CAPLUS

CN 1-Piperazinecarboxamide, N-(6-amino-3-pyridinyl)-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

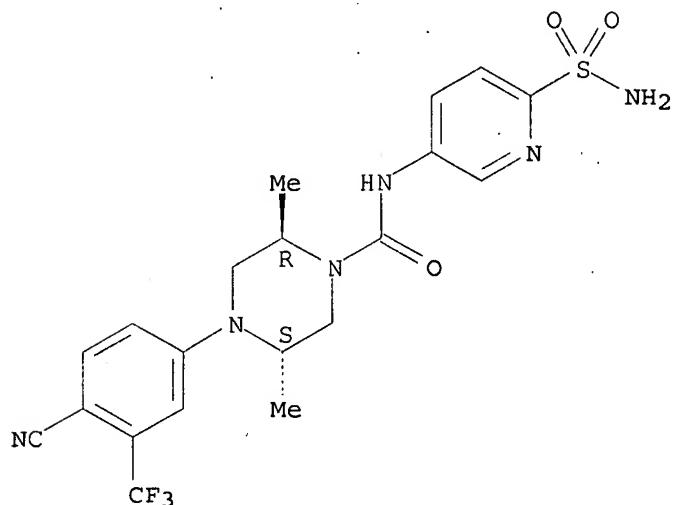
10/513699



RN 262295-53-4 CAPLUS

CN 1-Piperazinecarboxamide, N-[6-(aminosulfonyl)-3-pyridinyl]-4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



IT 262296-09-3P

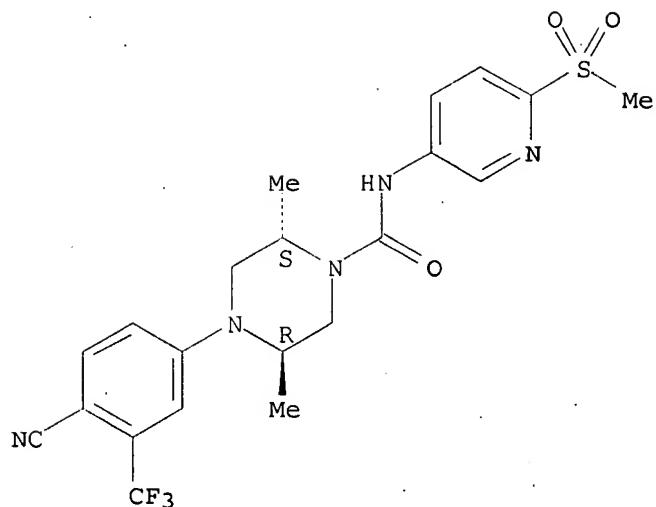
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation of piperazino-substituted cyanophenyl derivs. as antiandrogen agents)

RN 262296-09-3 CAPLUS

CN 1-Piperazinecarboxamide, 4-[4-cyano-3-(trifluoromethyl)phenyl]-2,5-dimethyl-N-[6-(methylsulfonyl)-3-pyridinyl]-, (2R,5S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

10/513699



REFERENCE COUNT: 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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STRUCTURE uploaded

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FILE 'CAPLUS' ENTERED AT 15:02:10 ON 03 JUL 2007  
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